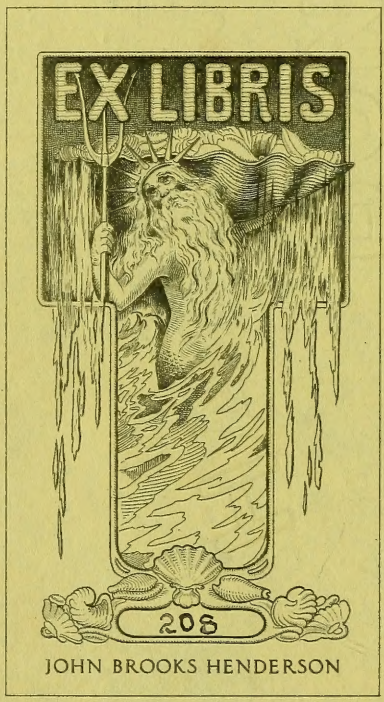
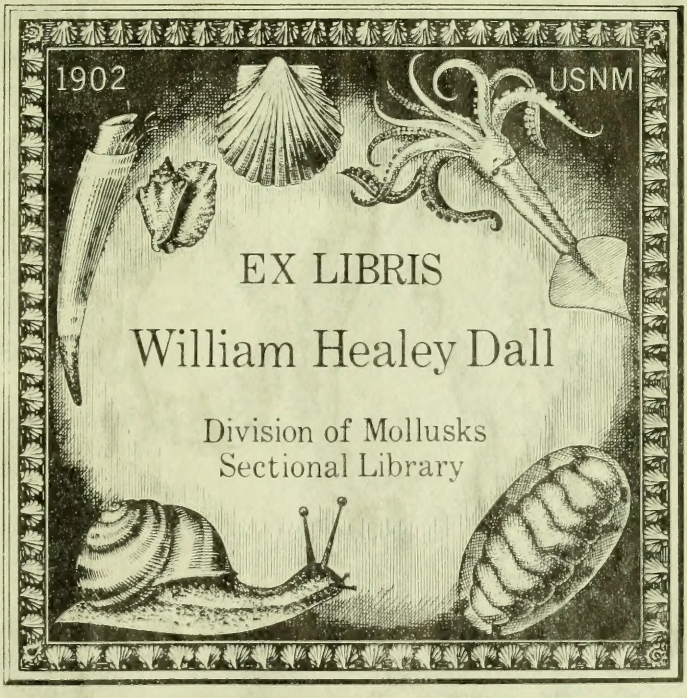


JOHN BROOKS HENDERSON

I SOWER

Division of Mollusks
Sectional Library



I SOWERBY

I - Sowerby

THE

CONCHOLOGICAL

ILLUSTRATIONS,

OR

Coloured Figures

OF ALL THE HITHERTO UNFIGURED

RECENT SHELLS,

BY

G. B. SOWERBY, JUNR.

Division of Mollusks
Sectional Library

LONDON:

1832.

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moll.

The intention of giving the Text of a DESCRIPTIVE CATALOGUE OF SHELLS, by JOHN EDWARD GRAY, Esq. F.R.S. &c., in company with these CONCHOLOGICAL ILLUSTRATIONS, having been abandoned, the names of the species figured in each part will now be given with it, and, as complete a Catalogue as can be made will be added in the course of publishing each genus. Such Catalogue will consist of the names of all the species that can be ascertained, together with the localities and a reference to a figure where any is known: and where there is no good previous figure known, one will be given. A reference to the Author whose name is adopted will be added, together with concise descriptions of the new species. The CONCHOLOGICAL ILLUSTRATIONS will thus form a very complete addition to WOOD'S CATALOGUE OF SHELLS.

I-Sowerby 77

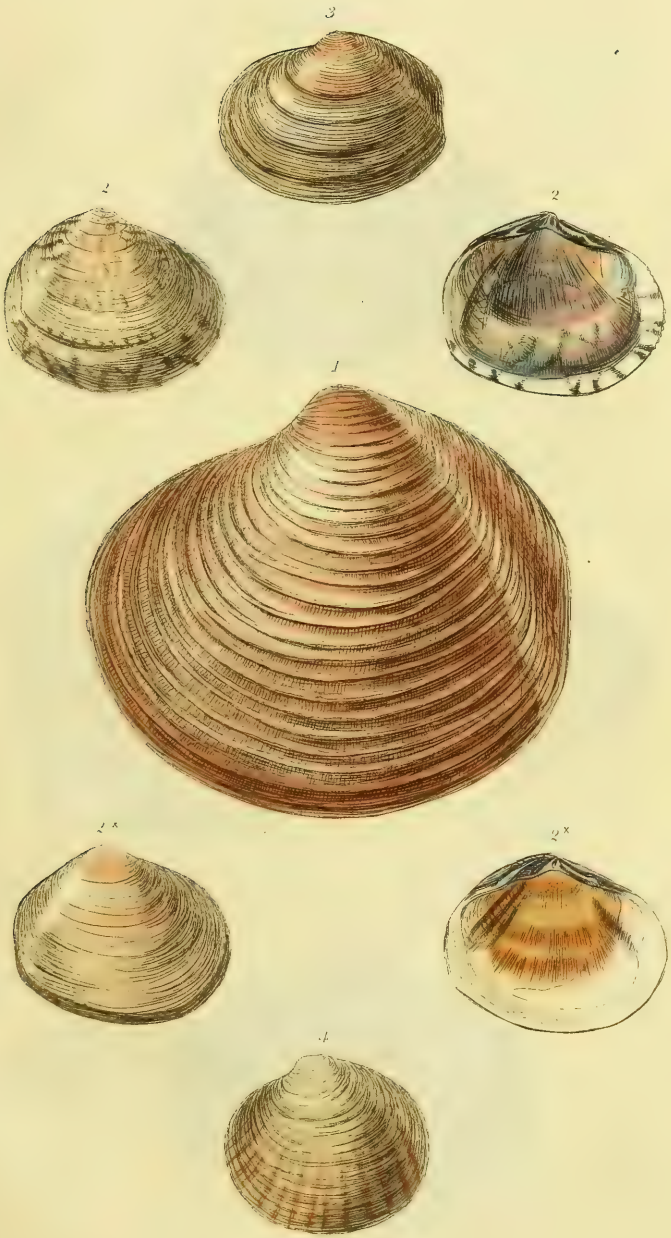
AMPHIDESMA.

1. variegatum *Lam.* Spec. Conch. *Amphidesma.* f. 1, 2, 3. Brazil.
2. pulchrum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 2. St. Elena. W. Columbia. var. f. 2* Panama. Mr. Cuming.
3. pallidum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 3. Salango, W. Col. Mr. Cuming.
4. formosum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 8. St. Elena. Mr. Cuming.
5. roseum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 1. Tumbez, Peru. Mr. Cuming.
6. ellipticum *nob.* Z. P. 1832, Dec. Spec. Conch. f. 17, Monte Christe, W. Col. Mr. Cuming.
7. australe *nob.* Z. P. 1832, Dec. Conch. Ill. f. 4. Lord Hood's Island, S. Seas, Mr. Cuming, and N. S. Wales, G. Humphrey.
8. corrugatum *nob.* Z. P. 1832, Dec. Spec. Conch. f. 18. Iquiqui, Peru. Mr. Cuming.
9. subtruncatum *nob.* Spec. Conch. f. 5, 19, 20. West Indies.
10. solidum *Gray,* Spicilegium Zoologicum part 1, p. 6, t. 6, f. 6, Spec. Conch. f. 6. Valparaiso, Mr. Cuming.
11. cordiforme, *nob.* Spec. Conch. f. 7. Tellina cordiformis Chemn. XI. f. 1941, 1942. Indian Ocean.

S. jun. c

12. Rupium *nob.* Z. P. 1832, Dec. Conch. Ill. f. 10. Lord Hood's Island. var. f. 10* Gallapagos Islands. Mr. Cuming.
13. cancellatum *nob.* Spec. Conch. f. 8. Antigua and St. Vincents.
14. lamellosum *nob.* Spec. Conch. f. 9, 10. Indian Ocean.
15. reticulatum *nob.* Spec. Conch. f. 11, 12. Brazil and W. Indies.
16. crenulatum *nob.* Spec. Conch. f. 13.
17. duplicatum *nob.* Spec. Conch. f. 14, 15. Ceylon.
18. punctatum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 7. Gallapagos Islands. Mr. Cuming.
19. purpurascens *nob.* Z. P. 1832, Dec. Conch. Ill. f. 5. St. Elena, W. Col. Mr. Cuming.
20. multicostatum *nob.* Spec. Conch. f. 16.
21. lenticulare *nob.* Z. P. 1832, Dec. Conch. Ill. f. 9. St. Elena, W. Col. Mr. Cuming.
22. læve *nob.* Z. P. 1832, Dec. Conch. Ill. f. 6. Xipixapi. W. Col. Mr. Cuming.
23. prismaticum *Lam.* Spec. Conch. f. 21. British.
24. tenue *Lam.* Spec. Conch. f. 22. British.
25. Boysii *Lam.* Spec. Conch. f. 23. British.
26. Siculum *nob.* Spec. Conch. f. 24. Sicily.

Amphidesma.



G.B.S. jun. exc

Amphidesma

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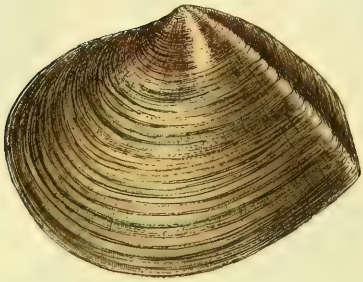

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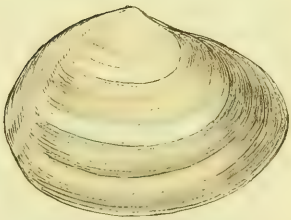

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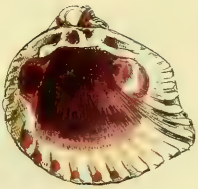

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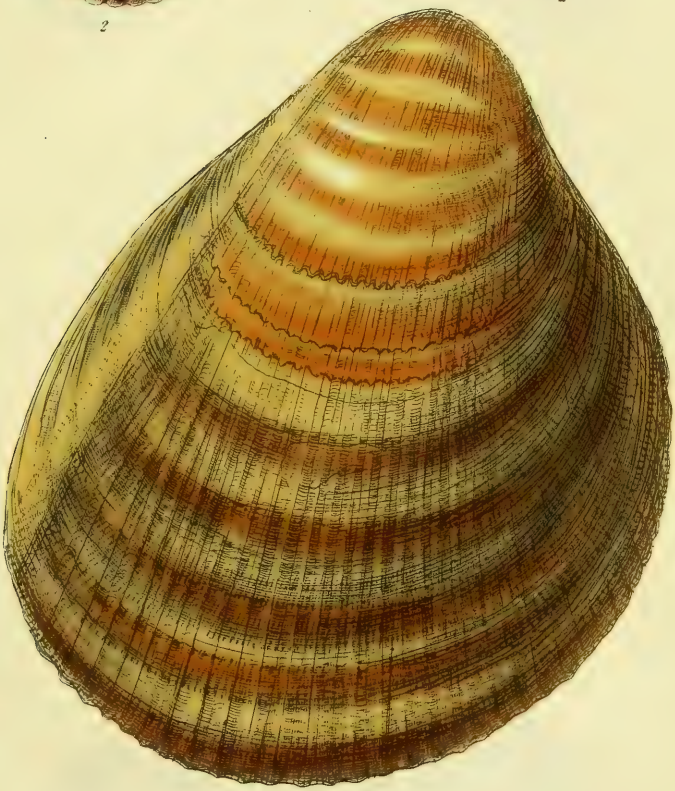

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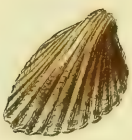

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G.B.S. jun. exc.

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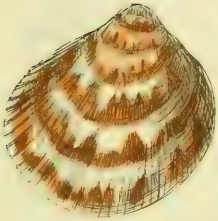

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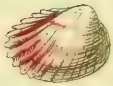

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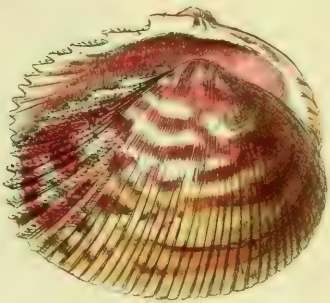

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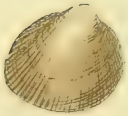

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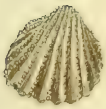

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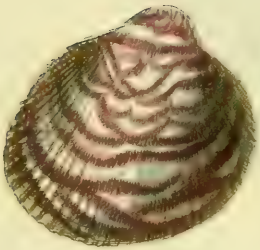

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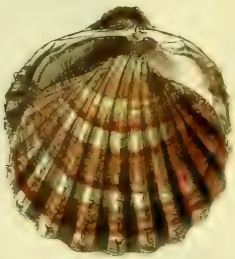

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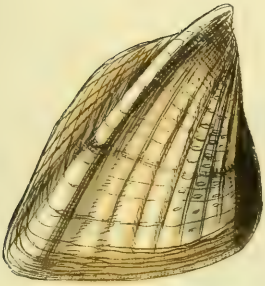
Cardium.



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Cardium.

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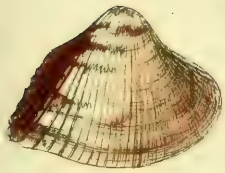

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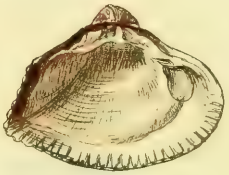

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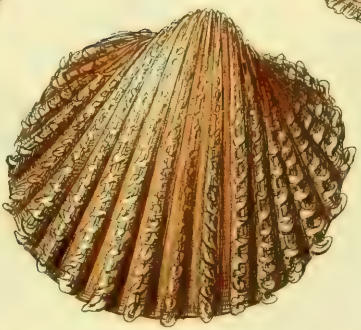

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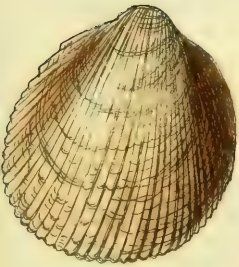

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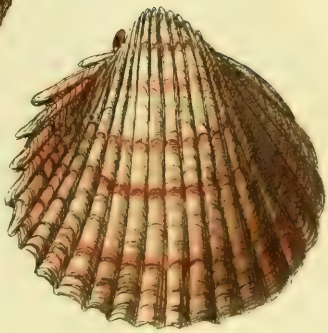

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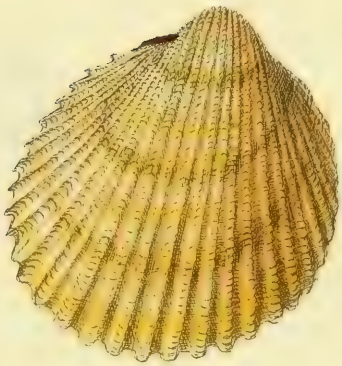

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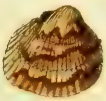

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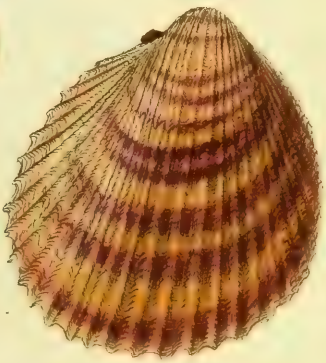

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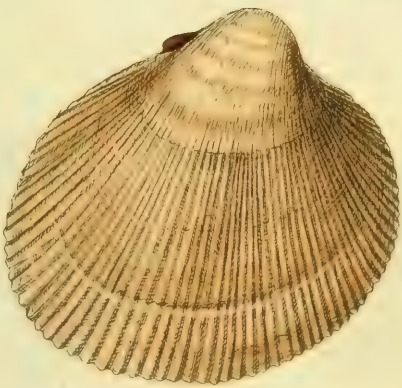

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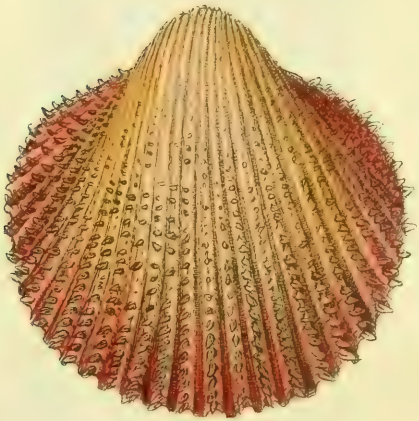

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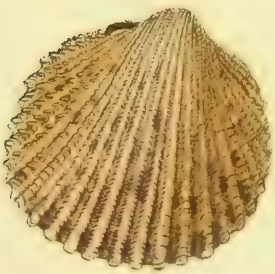

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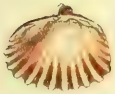

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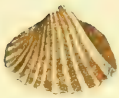

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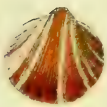

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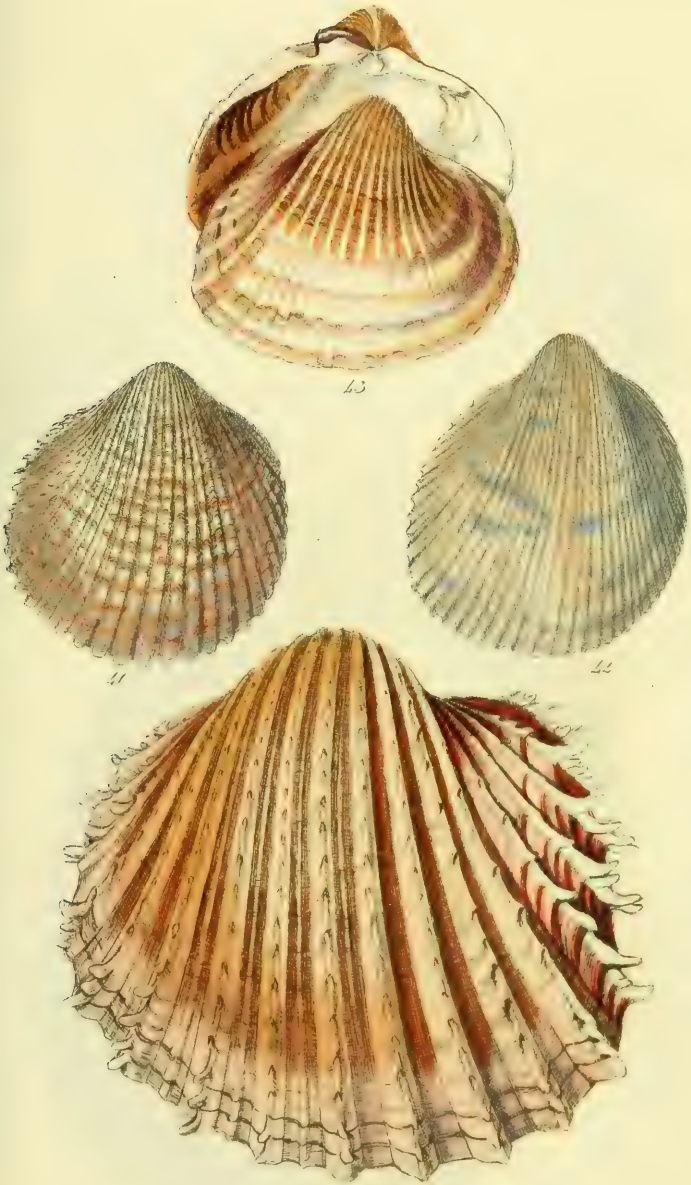

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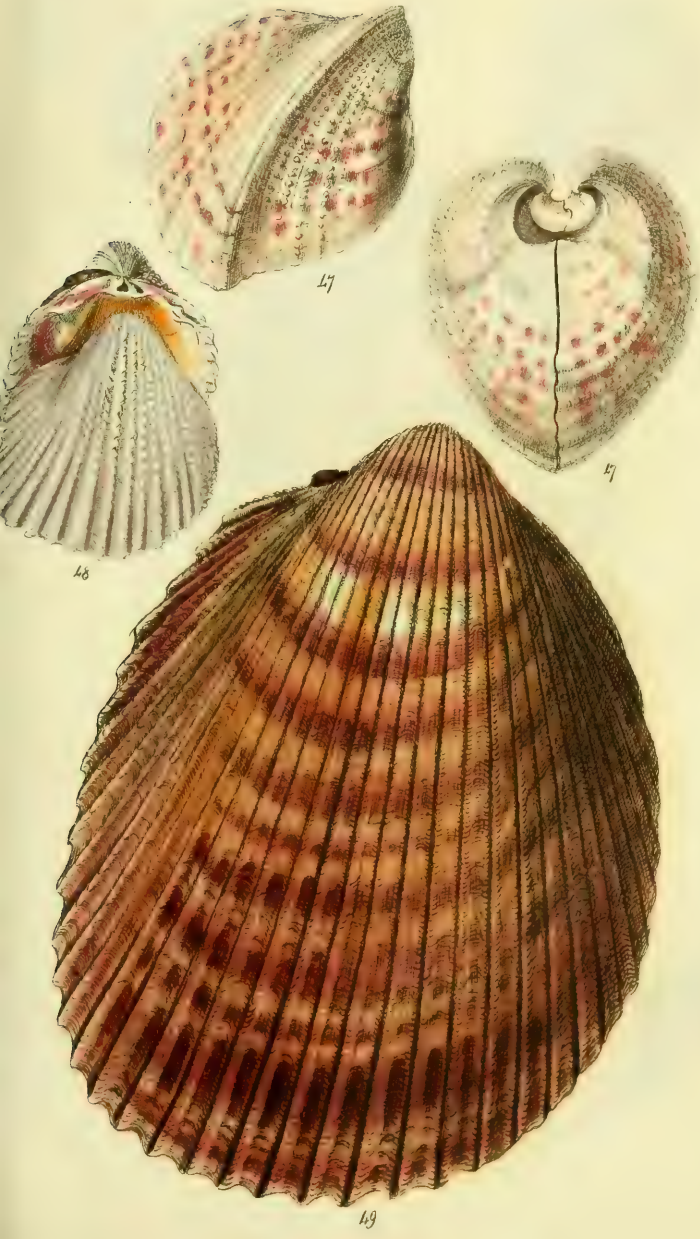

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Cardium.

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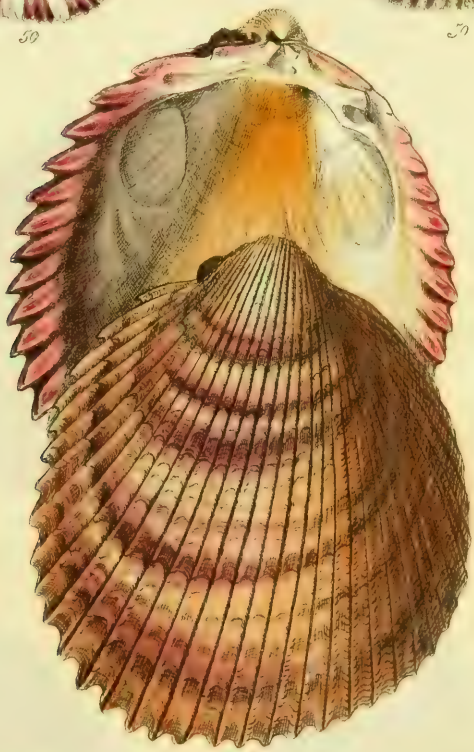

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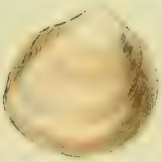

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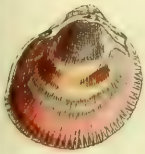

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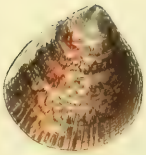

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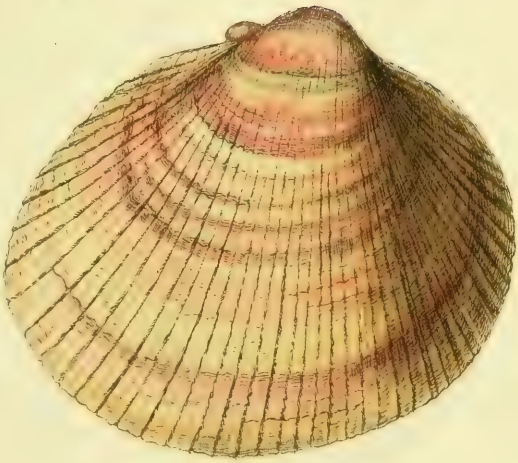

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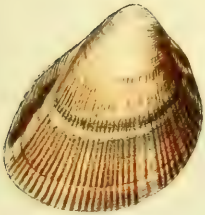

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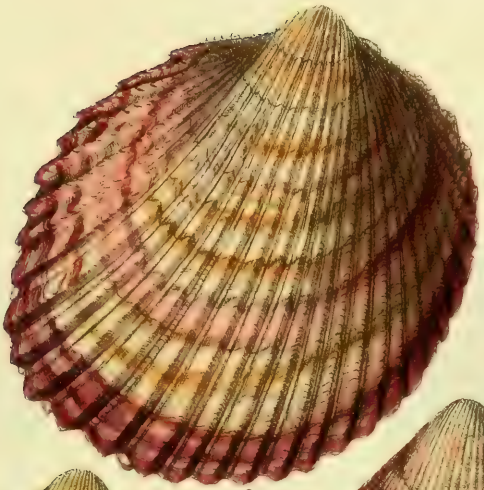

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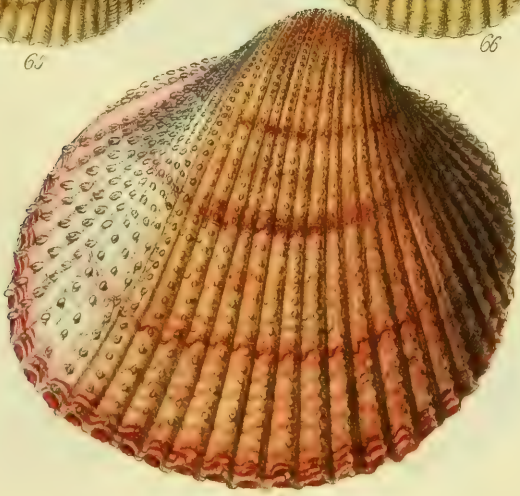

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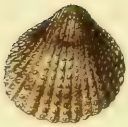

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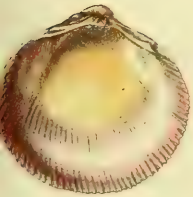

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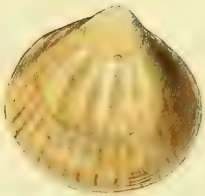

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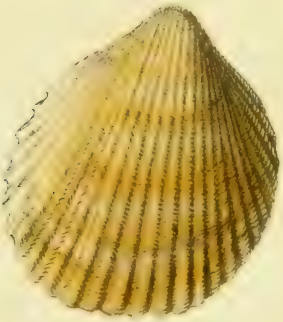

72

CARDIUM.

A

CATALOGUE OF RECENT SPECIES,

BY

By G. B. SOWERBY, Jun.

No.

1 C. costatum, *Linn.* Syst. Nat. p. 1121. *Chemn.* Conch. t. 15, f. 151. 152. Africa.

2 C. indicum, *Lam.* Anim. sans vert. t. 6, p. 4. Con. Illus. f. 46. N.W. coast of America.

3 C. ringens, *Lam.* Brug. Dict. No. 21. Chemn. Conch. t. 16, f. 170. Gambia, Africa.

4 C. Sinense, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 35. China.

5 C. Asiaticum, *Brug.* Dict. No. 19. Chemn. Conch. t. 15, f. 153, 154, Nicobar Isl.

6 C. laticostatum, *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 30. Xipixapi, West Colombia. Mr. Cuming.

7 C. fimbriatum, *Lam.* Anim. sans vert. t. 6. p. 5. Beech. Zool. t. xlii. f. 1. *Wood* Gen. Conch. t.—. China.

8 C. tenui-costatum. *Lam.* Anim. sans vert. t. 6. p. 5. Con. Illus. f. 62. (tenue) f. 36. (varium.) f. 19. Swan River, N. Holland.

9 C. striatulum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 16. 45. Australia, New Zealand, Mr. G. Benett.

10 C. Australe, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f.12* (C. Sauciatum, Beck.—?) Australia, (Var.) China, Ceylon.

11 C. Cumingii. *Brod.* Zool. Proc. 1833. p. 82. Con. Illus. f. 5. Central Amer. G. of Dulce.Mr. Cuming.

12 C. apertum, *Brug.* Dict. No. 22. Chem. Conch. t. 18. f. 181-3. Jamaica.

No.

13 C. papyraceum, *Brug.* Dict. No. 29. Chemn. Conch. t. 18, f. 184, Con. Illus. f. 55. 56. Japan.

14 C. bullatum, *Lam.* Anim. sans vert. t. 6, p. 6. Solen bullatus, *Linn.* C. Soleniforme, *Brug.* Chem. Conch. t. 6. f. 49. 50. Jamaica, St. Vincents.

15 C. aspersum, *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 15. St. Elena. Mr. Cuming.

16 C. ringiculum. *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 11. St. Vincents.

17 C. latum, *Brug.* Dict. No. 33. Chemn. t. 19, f. 192. 193. Asia.

18 C. Pseudolima, *Lam.* Anim. sans. vert. t. 6, p. 7. Con. Illus. f. 67. Red Sea.

19 C. Icelandicum, *Gmel.* p. 3252. Chemn. t. 19, f. 195. 196. Iceland.

20 C. punctulatum, *Brod. & Sow.* Zool. Journ. iv. p. 366. Con. Illus. f. 7. Loc. not known.

21 C. rusticum, *Linn.* Syst. Nat. p. 1124. Chemn. Conch. t. 19. f. 197. test. Jun. C. fasciatum, *Mont.* Test. Brit. Suppl. p. 30, t. 27, f. 6. Britain & Mediterranean.

22 C. edule. *Linn.* Syst. Nat. p. 1125, Chemn. Conch. t. 19, f. 194. var. C. crenulatum. *Lam.* Britain.

23 C. nodosum, Montagu, Test. Brit. p. 81. Turton. Brit. Biv. pl. 13, f. 8. Britain.

24 C. ovale, *Nob.* C. elongatum (preoccupied) *Mont.* Test. Brit. p. 82. Turt. Brit. Biv. t. 13, f. 9. Britain.

25 C. exiguum, *Gmel.* 3255, Lister. t. 317, f. 154. Britain.

26 C. Siculum, *Sow. jun.* Zool. Proc. 1840. Con. Illus, f. 31. Sicily.

27 C. Arcticum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 26. Arctic Seas.

28 C. tuberculatum, *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 17, f. 173. Britain and Mediterranean.

29 C. paucicostatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 20. Sicily.

No.

30 C. Deshayesii, *Payr.* p. 56, t. 1, f. 33. 35. Con. Illus. f. 70. Sicily.

31 C. echinatum, *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 200, f. 1951-3. test. jun. C. ciliare. Gmel. 29. Britain and Sicily.

33 C. aculeatum. *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 15, f. 156. Europe.

34 C. erinaceum. *Lam.* Anim. sans vert. t. 6. p. 8. Chemn. Conch. t. 15. f. 157. Mediterranean.

35 C. multispinosum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 38, 38. a. Misamis, Isl. Mindinao. Mr. Cuming.

36 C. exasperatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 37. Swan River.

37 C. papillosum, *Poli* Test. utriusque Siciliæ, Con. Illus. f. 69. Sicily.

38 C. graniferum, *Brod.* and *Sow.* Zool. Journ. iv. p. 367. Con. Illus. f. 17. Pacific Ocean. Mr. Cuming.

39 C. Isocardia, *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 17, f. 174, 176. America.

40 C. Consors. *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 8. St. Elena. Guacomayo, Mr. Cuming. The imbrications on the ribs are closer than in C. Isocardia.

41 C. Belcheri *Brod. & Sow.* Zool. Journ. iv. p. 366. Tab. ix. f. 3. Coast of California and Panuma.

42 C. muricatum, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 17, f. 177. West Indies.

43 C. senticosum, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 10. St. Elena. Rounder than C. muricatum, and tubercles not so oblique. Mr. Cuming.

43.*C. Radula, *Brod. & Sow.* Zool. Journ. IV. p. 336. We have not seen this shell. It is in Mr. Bland's collection.

44 C. foveolatum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 65. Swan River.

No.

45 C. variegatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 57. Ribs much closer than in C. muricatum.

46 C. unicolor, *Sow, jun.* Zool. Proc. 1840. Con. Illus. f. 29. 42. Brazils.

47 C. multistriatum, *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 59. St. Elena, Mr. Cuming.

48 C. maculosum, *Wood.* Gen. Conch. p. 218, t. 52, f. 3. Con. Illus. f. 63. Ceylon.

49 C. impolitum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 6. 66. China.

50 C. Oxygonum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 9. China.

51 C. angulatum, *Lam.* Anim. sans vert. Seba. Mus. 3, t. 86, f. 6. America? The grooves of this common species are deep; the ribs angular and serrated; the shell oval, ventricose.

52 C. marmoreum, *Lam.* Anim. sans vert. Chemn. Conch. t. 17, f. 179. Jamaica. Flatter than the last, with the anterior ribs smoother, and not so deep.

53 C. Orbita, *Brod. & Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 13. Isl. Annaa, Pacific. O. More oblique, more closely tuberculated and ribbed that C. marmoreum. Mr. Cuming.

54 C. elongatum, *Lam.* Brug. Dict. No. 26. Con. Illus f. 49. (not the figures doubtfully referred to by *Brug. & Lamarck.*) More ventricose, and elongated than the two last, with 39 or 40 flattened ribs; Ticao, Philippines, Mr. Cuming.

55 C. subelongatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 61. Ribs fewer and wider apart than in the last.

56 C. maculatum, (Altered from maculosum, preoccupied) *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 18. California. Ribs flattened, nearly smooth; shell not so oblique as C. subelongatum.

No.

57 C. enode, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 51. Shell more spread, less ventricose, with ribs flatter and closer than in C. elongatum.

58 C. rugosum, *Lam.* Anim. sans vert, t. 6, p. 10. C. magnum, *Chemn.* Conch. t. 19, f. 191. Yellow var. C. flavum. Linn? Con. Illus. (C. subrugosum) f. 32. Dark spotted, Con. Illus. f. 39. Pink spotted, Con. Illus. f. 41. Ceylon, Java.

59 C. subrugosum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 34, 71. Dr. Sibbald. Ribs less elevated, shell less spread, anterior side smoother than the last.

60 C. alternatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 64. Ticao, Philippines. On the Coral Reefs. Mr. Cuming.

61 C. procerum, *Sow.* Zool. Proc. 1833. p. 83. Con. Illus. f. 23. Real Llejos, Central America. Mr. Cuming.

62 C. Panamense. *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 21. Panama. Mr. Cuming. Ribs fewer and more angulated than in C. procerum.

63 C. ventricosum, *Brug.* Dict. 25. C. magnum, *Born.* E. M. pl. 299. f. 1. Carolina.

64 C. sulcatum, *Lam.* Anim. sans vert. tom. 6. p. 10. C. oblongum, *Chemn.* Conch. t. 19. f. 90. C. flavum, *Born.* Mediterranean. A shell has been collected at Plymouth by Mr. Cuming, which is distinct from C. serratum, and may probably turn out to be a British variety of this species.

65 C. elatum, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 3. California.

66 C. serratum, *Linn.* Syst. Nat. 1123. E. M. 299. f. 2. C. lævigatum. *Wood.* pl. 54, f. 1. Britain.

67 C. Grœnlandicum, *Gmel.* P. 3252. Chemn. Conch. t. 19, f. 148. var. edentula. *Sow.* gen. of Sh. Greenland.

68 C. biradiatum, *Brug.* Dict. 28. Chemn. Conch. t. 18, f. 185, 186. Ceylon.

No.

69 C. attenuatum, *Sow. jun.* Zool. Proc. 1840. lævigatum, var. biradiatum, *Wood*, Gen. Conch. pl. 54, f. 2. Very much more elongated than the last. Ceylon.

70 C. multipunctatum, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 14. China.

71 C. lævigatum, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 18, f. 189. C. citrinum, *Gmel.* Wood Gen. Conch. pl. 54, f. 3. Atlantic. This name is erroneously applied by some authors to the British C. serratum.

72 C. Brasilianum, *Lam.* Anim. sans vert. t. 6, p. 5. Con. Illus. f. 60. Brazil.

73 C. Elenensis, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 58. St. Elena. Not so much elongated posteriorly as the last; not lineated. Mr. Cuming.

74 C. Mortoni, *Conrad.* Boston journal? Con. Illus. f. 53, 54. America. More rounded than C. Elenensis, and nearly equilateral.

75 C. fragile, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 68.

76 C. Æolicum, *Born.* Mus. Cæs. p. 36. C. pectinatum, Linn? Chemn. Conch. t. 18, f 187, 188. Indian Ocean, China.

77 C. lyratum, *Sow.* Zool. Proc. 1840. Con. Illus. f. 40. Guinea. This species has no smooth surface on the posterior side, as in C. Æolicum.

78 C. lineatum, *Lam.* Anim. sans vert. v. 6, p. 17. Con. Illus. f. 43. America.

79 C. Donaciforme, *Schroeter*, Einl. Conch. t. 3, p. 68. Con. Illus. f. 27. Asiatic Ocean. Tranquebar.

80 C. parvum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 33.

81 C. medium. *Linn.* Syst. Nat. 1122. Chemn. Conch. t. 16, f. 162, 164. St. Vincents.

No.

82 C. biangulatum, *Sow.* Zool. Journ iv. p. 367. Con. Illus. f. 2. St. Elena, Mr. Cuming.

83 planicostatum, *Sow.* Zool. Proc. 1833. p. 83. Con. Illus. f. 25. Guacomayo. Mr. Cuming.

84 C. fornicatum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 50.

85 C. imbricatum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 48. Swan River.

86 C. Unedo, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 16, f. 168, 169. Ceylon.

87 C. Fragum, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 16, f. 166. 167. Red Sea.

88 C. Hemicardium, *Linn.* Syst. Nat. p. 1121. Chemn. Conch. t. 16, f. 159, 161. Indian Ocean.

89 C. tumoriferum, *Lam.* Anim. sans vert. t. 6, p. 15. Con. Illus. f. 22. New Holland. Ribs narrower and tubercles smaller than in the last.

90 C. obovale, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 4. Xipixapi. Mr. Cuming.

91 C. subretusum, *Sow. jun.* Zool. Proc. 1840. p. 84. Con. Illus. f. 24.

92 C. retusum, *Linn.* Syst. Nat. p. 1121. Chemn. Conch. t. 14, f. 139, 140. Suez, Arabia.

93 C. Auricula, *Forskäll.* Fauna Arabica. f. 122, No. 52. Con. Illus. f. 47. Suez, Arabia.

94 C. Dionæum, *Sow.* Zool. Journ. iv. p. 367. Beech. Zool. t. 42, f. 6. 6. Con. Illus. f. 52. S. Pacific Ocean.

95 C. Cardissa, *Linn.* Syst. Nat. p. 1121. *Sow.* gen. of Sh. f. 5. test. jun. (C. Dionæum) Con. Illus. f. 1. 1.* (C. unimaculatum,) f. 1.** S. Pacific Ocean. *Nearly equilateral.*

96 C. Junoniæ, *Lam.* Anim. sans vert. t. 6, p. 17. Chemn. Conch. t. 14, f. 147, 148. C. Humanum, *Wood.* indian Ocean. *Posterior side concave.*

97 C. inversum, *Lam.* Anim. sans vert. t. 6, p. 17. Chemn. Conch. t. 14, f. 149, 150. Indian Ocean. *Anterior side concave.*

CORRECTED LIST OF FIGURES.

CARDIA ;—Parts 48 to 51, 149—150, 177 to 186.

FIG.

1 1.* 1.** C. Cardissa, Sp. 95, young.
2 C. biangulatum, Sp. 82.
3 C. elatum, Sp. 65.
4 C. obovale, Sp. 90.
5 C. Cumingii Sp. 11.
6 C. impolitum, Sp. 49.
7 C. punctulatum, Sp. 20.
8 C. Consors, Sp. 40.
9 C. Oxygonum, Sp. 50.
10 C. senticosum, Sp. 43.
11 C. ringiculum, Sp. 16.
12* C. Australe, Sp. 10.
13 C. Orbita, Sp. 53.
14 C. multipunctatum, Sp. 70.
15 C. aspersum, Sp. 15.
16 C. striatulum, Sp. 9.
17 C. graniferum, Sp. 38.
18 C. maculatum, Sp. 56.
19 C. tenuicostatum, Sp. 8.
20 C. paucicostatum, Sp. 29.
21 C. Panamense, Sp. 62.
22 C. tumoriferum, Sp. 89.
23 C. procerum, Sp. 61.
24 C. subretusum, Sp. 91.
25 C. planicostatum, Sp. 83.
26 C. arcticum, Sp. 27.
27 C. Donaciforme, Sp. 79.
28 C. echinatum, var. Sp. 31.
29 C. unicolor, Sp. 46.
30 C. laticostatum, Sp. 6.
31 C. Siculum, Sp. 26.
32 C. rugosum, var. Sp. 58.
33 C. parvum, Sp. 80.
34 C. subrugosum, Sp. 59.

FIG.

35 C. Sinense, Sp. 4.
36 C. tenuicostatum, Sp. 8.
37 C. exasperatum, Sp. 36.
38 C. multispinosum, Sp. 35.
39 C. rugosum, var. Sp. 58.
40 C. lyratum, Sp. 77.
41 C. rugosum, var. Sp. 58.
42 C. unicolor, Sp. 46.
43 C. lineatum, Sp. 78.
44 C. lineatum, young, Sp. 78.
45 C. striatulum, Sp. 9.
46 C. indicum, Sp. 2.
47 C. Auricula, Sp. 93.
48 C. imbricatum, Sp. 85.
49 C. elongatum, Sp. 54.
50 C. fornicatum, Sp. 84.
51 C. enode, Sp. 57.
52 C. Dionæum, Sp. 94.
53, 54, C. Mortoni, Sp. 74.
55, 56, C. papyraceum, Sp. 13.
57 C. variegatum, Sp. 45.
58 C. Elenense, Sp. 73.
59 C. multistriatum, Sp. 47.
60 C. Brasilianum, Sp. 72.
61 C. subelongatum, Sp. 55.
62 C. tenuicostatum, Sp. 8.
63 C. maculosum, Sp. 48.
64 C. alternatum, Sp. 60.
65 C. foveolatum, Sp. 44.
66 C. impolitum, Sp. 49.
67 C. Pseudolima, Sp. 18.
68 C. fragile, Sp. 75.
69 C. papillosum, Sp. 37.
70 C. Deshayesii, Sp. 30.
71 C. subrugosum, Sp. 59.

George Odell, Printer, 18, Princes-street, Cavendish-square, London.

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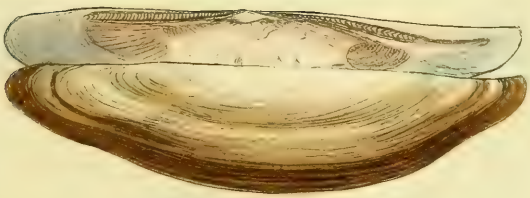

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Nucula.

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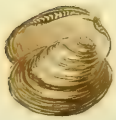

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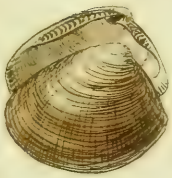

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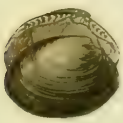

Chiton.

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G.B.S. jun. ad vi.

Chiton.

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C.B.S. imp. ex.

Chiton.

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Chiton.

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Chiton.

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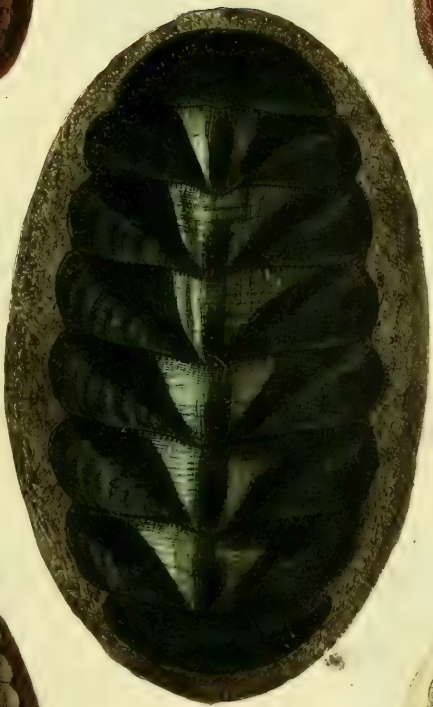

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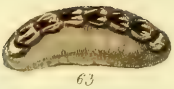

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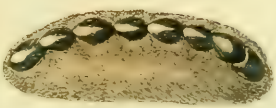

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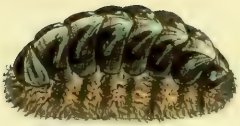

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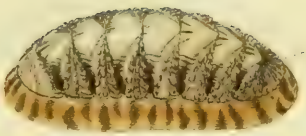

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Chiton

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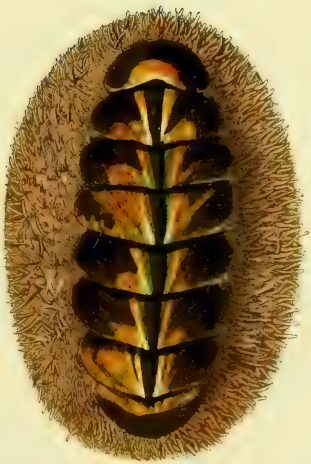

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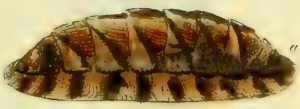

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Chiton

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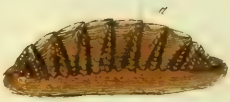

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Chalon

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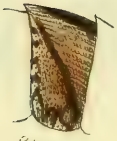

84 a

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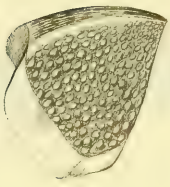
Chiton



27. a

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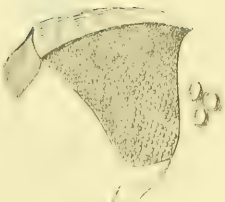

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Chiton

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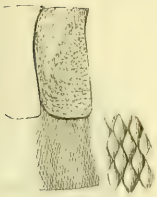

101.a b

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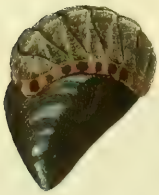
Chiton



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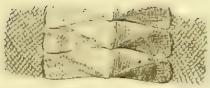

117 a

118

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Clarke

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Chiton

127 b

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Chiton

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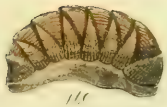
Chiton



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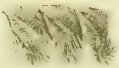

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Chiton

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Chiton

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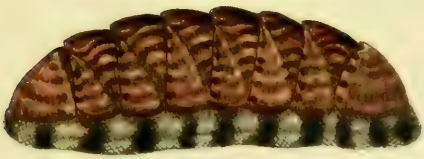

148

A CATALOGUE

OF THE

RECENT SPECIES OF CHITONES.

No.

1 Ch. Echinatus, *Barnes*, Amer. Journ. of Sc. vol. 7, No. 1, 1823. Tuberculiferus. *Sow.* Tanc. Cat. Spiniferus, Frembly, Zool. Journ. vol. 3, p. 196, Suppl. pl. xvi. f. 1. Spiniferus, Var. Con. Illus. f. 47, Peru.

2 Ch. Spinosus, *Brug.* Journ. D'Hist. Nat. vol. 1, p. 25. Sow. Gen. Chiton. f. 1, Con. Illus. f. 151, Australia.

3 Ch. Spiniger, *Nob.* Mag. Nat. Hist.* 1840, Con. Illus. f. 68.

4 Ch. Brevispinosus, *Nob.* Mag. Nat. Hist. 1840, Con. Illus. f. 136. Island Johanna.

5 Ch. Blainvillii, *Brad.* Zool. Proc. 1832, p. 27. Con. Illus. f. 6. Inner Lobos Island.

6 Ch. Rugosus, Gray ———— ? Con. Illus. f. 49.

7 Ch. Alternatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 141. Japan.

8 Ch. Pectinatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 146.

9 Ch. Loo-chooanus, *Sow.* Zool. Journ. vol. iv, p. 368, Loo-choo.

10 Ch. Piceus, *Gmel.* Linn, p. 3204, Wood, Gen. Con. t. 1, f. 3. convexus, granulatus, gemmatus, tu-

* Charlesworth's New Series of Lowdon's Magazine of Natural History for June, 1840.

No.

berculatus, unguiculatus, zonatus, *Auct.* Con. Illus. f. 147.

11 Ch. Magnificus, Gray ? *Con. Illus.* f. 52.

12 Ch. Niger, *Barnes*, Amer. Journ. Sc. vol. 7, No. 1, 1833, p. 671. Coquimbensis, Frembly, Zool. Journ. vol. iii, p. 197. Tab. Suppl. xvi, f. 2. Peru.

13 Ch. Squamosus, Linn. Syst. Nat. 1107, Wood, Gen. Con. pl. 1, f. 1, Var. *Bistriatus*, Wood, Chemn. Conch. 8, t. 94, f. 788, 791, Var. Obscurus. *Nob.* Con. Illus. f. 76. West Indies.

14 Ch. Siculus, *Gray*, Spic. Zool. 1, p. 5. Con. Illus. f. 123 to 125. Pollii Deshayes. Sicily.

15 Ch. Lyratus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 126.

16 Ch. Foveolatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 60.

17 Ch. Excavatus, Gray ? Con. Illus. f. 131.

18 Ch. Fasciatus, Wood, Gen. Con. p. 10, Con. Illus. f. 153. South America.

19 Ch. Australis, *Nob.* Mag. Nat. Hist. Con. Illus. f. 46. Australia.

20 Ch. Stokesii, *Brod.* Zool. Proc. 1832, p. 25, Con. Illus. f. 24. Columbia.

21 Ch. Sulcatus, Wood, Gen. Con. p. 16, Con. Illus. f. 12.

22 Ch. Virgulatus, *Nob.* Mag. Nat. Hist. Con. Illus f. 132.

23 Ch. Patulus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 134.

24 Ch. Granulosus, Frembl. Zool. Journ. vol. iii, p. 201. Tab. Suppl. xvii, f. 3. Conception Bay.

25 Ch. Granosus, Frembl. Zool. Journ. vol. iii, p. 200. Tab. Suppl. xvii, f. 1. Chili.

26 Ch. Barnesii, Gray, Spic. Zool. 1, p. 5, Con. Illus. f. 2. Coquimbo.

No.

27 Ch. Marmoratus, *Gmel.* p. 3205, Con. Illus. f. 148, 149, 150. West Indies.

28 Ch. Cymbiola, *Nob.* Mag. Nat. Hist. Con. Illus. f. 45, 85, 86, Tulippa, Quoy, C. of G. H.

29 Ch. Articulatus, Sow. Zool. Proc. 1832, 59, Con. Illus. f. 18. California.

30 Ch. Lœvigatus, Sow. Zool. Proc. 1832, 59, Con. Illus. f. 18,* California.

31 Ch. Godallii, Con. Illus. f. 34, 50, Zool, Proc. 1332, p. 25. Gallapagos.

32 Ch. Bowenii, *King*, Zool. Journ. vol. 5, p. 338, Con. Illus. Chiton, f. 37, Terra del Fuego. *Str.* Magellan

33 Ch. Quoyi, *Bl.* Dict. des Sc. *Oscabrion*, Ch. viridis. Quoy et Gaimard, Voyage de 'lAstrolanbe, t. 3, p. 381, pl. 74, f. 17—22.

34 Ch. Striatus, *Barnes*, Amer. Journ. Sc. vol. 7, No. 1, 1823, Latus, *Sow.* Tanc. Cat. Olivaceus, *Frembl.* Zool. Journ. III, p. 199, Tab. Suppl. xvi. f. 4, Chili, Var. subfuscus, *Sow.* Zool. Proc. 1832, p. 26, Con. Illus. f. 3, 41, Chiloe.

35 Ch. Tenuistriatus *Nob.* Mag. Nat. Hist. Con. Illus. f. 135,

36. Ch. Lentiginosus, *Nob.* Mag. Nat. Hist. Con. Illus. 120—1.

37 Ch. Concinnus, *Nob.* Mag. Nat. Hist. Con. Illus. 1178. Chonos.

38 Ch. Evanidus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 139.

39 Ch. Georgianus, Quoy et Gaimard, Voy. Astrolabe, t. 3, p. 379, pl. 25 to 30. K. George's Port.

40 Ch. Cumingii, Frembl. Zool. Journ. vol. iii, p. 198. Tab. Suppl. xvi, f. 3. Var. Con. Illus. 32, 51. Valparaiso.

No.

41 Ch. Glanco-cinctus, Frembl. Zool. Journ. vol. iii, p. 201, Tab. Suppl. xvii, f. 2. Valparaiso.

42 Ch. Albo-lineatus, *Sow.* Zool. Journ. vol. 4, p. 368. Con. Illus. f. 39. Mexico.

43 Ch. Versicolor, *Nob.* Mag. Nat. Hist. Con. Illus. f. 75, var. 122.

44 Ch. Sculptus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 66.

45 Ch. Longicymba, *Bl.* Dict. des Sc. *Oscabrion*, Ch. var. Con. Illus. f. 67. Hunter's River.

46 Ch. Textilis, Gray, Spic. Zool. 1, p. 5, t. 6, f. 20. Ch. Indicus, Con. Illus. f. 55, var. Ch. Solea, Con. Illus. f. 61, Cape of G. H.

47 Ch. Dispar, Sow. Zool. Proc. 1832, p. 28, Con. Illus. f. 25, Panama.

48 Ch. Punctulatissimus, Sow. Zool. Proc. 1832, p. 28. Con. Illus. f. 9, 26. Beechy's Appendix, p. 40, f. 2, 3. Mexillones, Iquiqui. Africa.

49 Ch. Stramineus. Sow. Zool. Proc. 1832, p. 105. Con. Illus. f. 28, var. 838. Chiloe.

50 Ch. Fimbriatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 137, Peru.

51 Ch. Apiculatus, Say? Con. Illus. f. 140. Massachusetts Bay.

52 Ch. Lævis. See Catalogue of British Chitones.

53 Ch. Cancellatus. Do.

54 Ch. Albus. Do.

55 Ch. Marginatus. Do.

56 Ch. Cinereus. Do.

57 Ch. Latus. Do. Fulminatus, Couthoy, Boston. Amer. Journ.

58 Ch. Limaciformis, Sow. Zool. Proc. 1832, p. 58. Con. Illus. f. 38. Columbia.

No.

59 Ch. Roseus, Sow. Zool. Proc. 1832, p. 58. Con. Illus. f. 14. Columbia.

60 Ch. Lyellii, Sow. Zool. Proc. 1832, p. 26. Con. Illus. f. 7. Pitcairn's Island.

61 Ch. Catenulatus, Sow. Zool. Proc. 1832, p. 104. Con. Illus. f. 145. Inner Lobos Island.

62 Ch. Rugulatus, Sow. Zool. Proc. 1832, p. 58, var. in conspicuus, Nob. Con. Illus. f. 42, 143, 144. Inner Lobos Island.

63 Ch. Grayi, *Sow.* Zool. Proc. 1832, p. 57. Con. Illus. f. 8, 16. Peru.

64 Ch. Crenulatus, Brod. Zool. Proc. 1832, p. 27. Con. Illus. f. 43.

65 Ch. Platymerus, Sow. Zool. Beech, Appendix, p. 149, pl. 41, f. 11.

66 Ch. Bipunctatus, Sow. Zool. Proc. 1832, p. 104. Con. Illus. f. 27, 155.

67 Ch. Pusillus, *Sow.* Zool. Proc. 1832, p. 57. Con. Illus. f. 31. Peru.

68 Ch. Exiguus, *Sow.* Zool. Proc. 1832, p. 104. Con. Illus. f. 36. Lord Hood's Island.

69 Ch. Fulvus, Wood, Gen. Con. p. 7, t. 1, f. 2. Con. Illus. f. 83, *var.?* (velatus,) Con. Illus. f. 53. Cadiz.

70 Ch. Swainsoni. Sow. Zool. Proc. 1832, p. 27. Con. Illus. f. 5. Peru.

71 Ch. Lineatus, Wood, Gen. Con. p. 15, pl. 2, f. 45. Con. Illus. f. 77.

72 Ch. Atratus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 57, 58. Falkland Island.

73 Ch. Castaneus, *Wood*, Gen. Con. p. 13, pl. 2, f. 2, 3; pl. 3, f. 2, 3. Con. Illus. f. 114, 115, 116. C. of Good Hope.

No.

74 Ch. Gigas. Gmel. p. 3206, Chem. Con. 8, t. 96, f. 819. C. of Good Hope.

75 Ch. Elegans, Frembly, *Tab.* Suppl. xvii, f. 6. Con. Illus. 119, f. 13, Valparaiso, *var.* Chilensis, *Frembly*, Zool. Journ. vol. iii, p. 204. Tab. Suppl. xvii. f. 8. Chili. *var.* Ch. Chiloensis, *Sow.* Zool. Proc. 1832, p. 58. Con. Illus. f. 13,* 10, 29, 30. Chiloe. var. Ch. Lineolatus, f. 154, Frembly, Zool. Journ. vol. iii. p. 204. Tab. Suppl. xvii, f. 7. Con. Illus. (*var.*) f. 50, 30, Valparaiso, *var.* Ch. Graniferus, *Sow.* Zool. Proc. 1832, p. 104. Conception Bay, *Young*, Sparsus, Con. Illus. f. 73, 74.

76 Ch. Fastigiatus, *Gray* ———? Con. Illus. f. 11, 35. California.

77 Ch. Disjunctus, *Frembly*, Zool. Journ. vol. iii, p. 203. Tab. Suppl. xvii, f. 5. Valparaiso.

78 Ch. Janierensis, *Gray* Sp. Zool. p. 6, f. 8. Con. Illus. f. 56, var. (*Occidentalis*). Con. Illus. f. 54. Rio Janiero.

79 Ch. Ellinensis, Sow. Zool. Proc, 1832, p. 27. Con. Illus. f. 69. St. Helena.

80 Ch. Cajetanus, *Polli.* Test. (Ch. concentricus). Con. Illus. f. 72.

81 Ch. Tunicatus, *Wood*, Gen. Con. p. 11, pl. 2, f. 1. Con. Illus. f. 152. Arctic Ocean.

82 Ch. Monticularis, *Quoy*, Voy. Astro. t. 3, p. 406, pl. 73, 30. to 36. Con. Illus. f. 129.

83 Ch. Vestitus, *Sow.* Zool. Journ. vol. 4, p. 368. Arctic Ocean. Ch. Emersoni, *Couthoy*, Mass. Bay. Con. Illus. f. 128.

84 Ch. Amiculatus, *Pallas*, Nov. Act. Petrop, ii, p. 241, t. 7, f. 26—30. Con. Illus. f. 80. Kurile Islands.

No.

85 Ch. (Chitonellus) Striatus, *Lam. Hist. Nat. Anim.* sans vert. vol. 6, p. 317. Con. Illus. f. 62. New Holland.

86 Ch. (Chitonellus) Lœvis, *Lam. Anim.* sans vert. vol. 6, p. 517. Sow. Gen. of Sh. New Holland.

87 Ch. (Chitonellus) Strigatus, *Nob. Mag. Nat. Hist.* Con. Illus. f. 63.

88 Ch. Hastatus, *Nab. Mag. Nat. Hist.* Con. Illus. f. 127.

89 Ch. Crinitus. See Cat. of British Chitones.

90 Ch. Fascicularis. Do.

91 Ch. Hirudiniformis, Sow. Zool. Proc. 1832, p. 59, Con. Illus. f. 23, 48, 142. Garnoti, Bl. Peru. Ch. Danielli. Con. Illus. f. 48, which comes from the Cape of Good Hope, may prove to be a distinct species—but all our Specimens are much worn.

92 Ch. Violaceus, *Quoy et Gaimard*, Voy. del' Astrolabe, t. 3, p. 403, pl. 73, f. 15, 16, var. 17, 20, Con. Illus. f. 133.

93 Ch. Retusus, *Sow.* Zool. Proc. 1832, p. 28, Con. Illus. f. 22. Guacomayo.

94 Ch. Peruvianus, *Lam.* Anim. sans. vert. Enc. Met. pl. 163, f. 7, 8, *var.* Zool. Journ. Tab. Suppl. f. 4, var. Con. Illus. f. 44, 44,* 44.** Peru.

95 Ch. Setiger, *King*, Zool. Journ. vol. 5, p. 338. Con. Illus. f. 17, var. Ch. Fremblii, *Brod.* Zool. Proc. 1832, p. 28, Con. Illus. f. 4, var. Ch. setosus, Zool. Beechey, Terra del Fuego, C. Biramosus, Quoy, Costatus, Bl.

96 Ch. Setosus, *Sow.* Zool. Proc. 1832, p. 27, Con. Illus. f. 19. Guacomayo.

97 Ch. Watsoni, *Nob.* Mag. Nat. Hist. Con. Illus. f. 81, 82, 130. Ch. Castanus, Quoy et Gaimard, Voy.

No.

Astr. t. 3, p. 387, pl. 74, f, 33—34. C. of Good Hope.

98 Ch. Hennahi, *Gray*, Sp. Zool. p. 5, Con. Illus. f. 1, 33. Callao Bay.

99 Ch. Spinulosus, *Gray*, Sp. Zool. p. 5, t. 6, f. 7, 7, a. Con. Illus. 70, 71, Rio Janiero. Ch. Columbiensis. Sow. Zool. Proc. Con. Illus. f. 15, Ch. Luridus. Sow. Zool. Proc. Con. Illus. f. 20? St. Helena.

100 Ch. Scabriculus, *Sow.* Zool. Proc. 1832, p. 28. Con. Illus. f. 21. Guacomayo.

101 Ch. Ciliatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 79.

102 Ch. Petholatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 64, 65. var. Porphyrius, f. 59. Australiâ.

N.B.—The remaining Plates, with the Index to the Chitones, will be published for June.

CORRECTED LIST OF FIGURES

In Parts 38 to 45, and 159 to 176.

The Nos. after the Names indicate the situation of the Species in the Catalogue.

Fig.
1 Hennahi, var. 93.
2 Barnesii, 26.
3 Striatus, var. 34.
4 Setiger, var. 95.
5 Swainsoni, 70.
6 Blainvillii, 5.
7 Lyelli, 60.
8 Grayi, 63.
9 Punctulatissimus, 48.
10 Elegans, var. 75.
11 Fastigiatus, 76.
12 Sulcatus, 21.
13 Elegans, 75.
13* ———, var. 75.
14 Roseus, 59.
15 Columbiensis, 99.
16 Grayi, var. 63.
17 Setiger, 95.
18 Articulatus, 29.
18* Lævigatus, 30.
19 Setosus, 96.
20 Luridus, 99.
21 Scabriculus, 100.
22 Retusus, 93.
23 Hirudiniformis, 91.
24 Stokesii, 20.
25 Dispar, 47.
26 Punctulatissimus, 48.
27 Bipunctatus, 66.
28 Stramineus, 49.
29 Elegans, var. 75.
30 ———— 75.

Fig.
31 Pusillus, 67.
32 Cumingii, 40.
33 Hennahi, var. 98.
34 Goodallii, var. 31.
35 Fastigiatus, 76.
36 Exiguus, 68.
37 Bowenii, 32.
38 Limaciformis, 58.
39 Albolineatus, 42.
40 Goodallii, 31.
41 Striatus, var. 34.
42 Rugulatus, 62.
43 Crenulatus, 64.
44 Peruvianus, var. 94.
45 Cymbiola, 28.
46 Australis, 19.
47 Echinatus, var. sp. 1.
48 Danielli, 91.
49 Rugosus, 6.
50 Elegans, var. 75.
51 Cumingii, var. 40.
52 Magnificus, 11.
53 Fulvus, var.? 69.
54 Janierensis, 78.
55 Textilis? 46.
56 Janierensis, 78.
57, 58. Atratus, 72.
59 Petholatus, var. 102.
60 Foveolatus, 16.
61 Textilis, 46.
62 (Chitonellus) striatus, 85.

Fig.
63 (Chitonellus) strigatus, 87.
64, 65. Petholatus, 102.
66 Sculptus, 44.
67 Longicymba, var. 45.
68 Spiniger, 3.
69 Elenensis, 79.
70, 71. Spinulosus, 99.
72 Cajetanus, 80.
73, 74. Elegans,(Young)75.
75 Versicolor, 43.
76 Squamosus, var. 13.
77 Lineatus, 71.
78 Rugulatus? 62.
79 Ciliatus, 101.
80 Amiculatus, 84.
81 Watsoni, 97.
82 ———— var. 97.
83 Fulvus, 69.
84 Spinulosus, 99.
85, 86. Cymbiola, var. 28.
87 to 113. British species, p. 7.
114 Castaneus, 73.
115, 116. Castaneus, var. 73.
117, 118. Concinnus, 37.
119 Elegans, 75.
120 Lentiginosus, 36.
121 ———— worn, 36
122 Versicolor, var. 43.
123 to 125. Siculus, 14.

Fig.
126 Lyratus, 15.
127 Hastatus, 88.
128 Vestitus, 83.
129 Monticularis, 82.
130 Watsoni, var. 97.
131 Excavatus, 17.
132 Virgulatus, 22.
133 Violaceus, 92.
134 Patulus, 23.
135 Tenuistriatus, 35.
136 Brevispinosus, 4.
137 Fimbriatus, 50.
138 Stramineus, var. 49.
139 Evanidus, 38.
140 Apiculatus, 51.
141 Alternatus, 7.
142 Hirudiniformis,
143 Rugulatus, var. 62.
144 ———— var. 62.
145 Catenulatus, 61.
146 Pectinatus, 8.
147 Piceus, 10.
148 Marmoratus, 27.
149 ———— var.
150 ———— var.
151 Spinosus, sp. 2.
152 Tunicatus, 81.
153 Fasciatus, 18.
154 Chilensis, var. Lineatus, 75.
155 Bipunctatus, 66.

George Odell, Printer, 18, Princes-street, Cavendish-square.

DESCRIPTIVE CATALOGUE

OF

BRITISH CHITONES,

By G. B. SOWERBY, Jun.

While engaged in preparing a Catalogue of the genus Chiton for publication, with these illustrations, my attention has been directed to the confusion, prevailing among authors and collectors, respecting the British species. It having consequently occurred to me that effectual service would be rendered to science by determining the nomenclature and synonymes of this section, I have procured specimens from the principal cabinets, through the kindness of their possessors, and compared them carefully with the published figures and descriptions. The following result is presented in a separate form, for the convenience of those collectors whose attention is confined to species found on our own coasts.

Sp. 1. Ch. FASCICULARIS.

Descr. Shell elongated, depressed; valves sub-triangular, coarsely granulated at the sides; with

a dorsal striated band; margin rough, hairy, with bunches of bristles on both sides; inserted laminæ of the valves narrow; colour brown, slightly varied, with one black, and two white, dorsal bands.

C. fascicularis, Linn. Syst. Nat. p. 1106.

Chemn. Conch. 10. t. 173. f. 1688.

Sow. Jun. Conch. Illustr. f. 87. 87 a.

Obs. This species is much more depressed than the following; the valves are closer at the sides, and the granulations coarser. As Linnæus appears not to have recognized two fasciculated species, it cannot be known which he intended to describe; but there can be no doubt of the present species being identical with that figured in Chemnitz.

Sp. 2. C. CRINITUS.

Descr. Shell oblong; strongly keeled by a dorsal striated rib; valves beaked, reniform, finely granulated at the sides, disunited at the extremities; margin smooth, hairy, fasciculated; inserted laminæ broad; colour various.

Ch. crinitus, Pennant, Brit. Zool.

Ch. discrepans, Brown.

Ch. fascicularis, Sow. Gen. of Sh. Wood's Gen. Conch. pl. 2. f. 6.

Ch. crinitus, Sow. Jun. Conch. Illustr. f. 88, 93.

Obs. This being the most common of the two fasciculated species, has been most frequently figured under the original name; which, however, it seems to me

most correct to retain for the shell of Chemnitz, his figure being the oldest, and universally quoted. The general appearance and the strong central band of striæ in Pennant's figure, leave no doubt on my mind that he intended to represent the shell to which we have fixed the name proposed by him.

Sp. 3. C. MARGINATUS.

Descr. Shell oval, carinated. elevated, posteriorly widened, minutely granulated; margin also minutely granulated; colour various.

Ch. marginatus, Pennant, Brit. Zool. Wood. Gen. Conch. f. 4.

Ch. cinereus, Zool. Jour. v. 5. p. 99. Wood Gen. Conch. f. 5. Chemn. Conch. 96. f. 818?

Red var. C. ruber? Chemn. Conch. t. 96. f. 813.

Black var. C. Asellus, Chemn. Conch. t. 96. f. 816.

Banded var. C. minimus, Chemn. Conch. t. 96. f. 814

C. marginatus and varieties, Sow. Jun. Conch. Illustr. f. 106 to 112.

Obs. This common species, including many varieties in colour, is more clearly referrible to C. Marginatus, of Pennant, than to C. cinereus, of authors; and without presuming to decide whether the description of Linnæus and the figure of Chemnitz were taken from ash coloured varieties of this or of the following species, I prefer applying the respective names as used by collectors at present. C. marginatus is more angular than the next species, and the granulations on the dorsal areas are not arranged in longitudinal lines.

C. minimus and C. asellus, of Chemnitz, may be black and banded varieties of this or of the next.

Sp. 4. C. CINEREUS.

Descr. Shell depressed, sub-carinated, minutely granulated; granulations on the central areas arranged in lines; margin minutely grained; colour various.

Ch. cinereus, Linn. Syst. Nat. p. 1106?

White var. C. albus, Auct?

Striped, C. cimex, Chemn. Conch. t. 96. 815.

Black, C. Asellus, Zool. Journ. vol. 5. pl. 5. f. 4.

Banded. C. minimus, Chemn. Conch? Asellus. (Young) Zool. Journ. v. 5. pl. 5. f. 3.

Ch. cinereus and varieties, Sow. Jun. Conch Illustr. Chiton, f. 94 to 98.

Obs. The comparative roundness and flatness of the shell, and the linear arrangement of the dorsal granules in this species distinguish it from the preceding. The white variety may have been the C. albus, of authors, but there is no proof of it, and having little else than colour to guide us, in reference to the ancient figures, it cannot be determined whether C. Asellus, of Chemn. is my black variety of C. marginatus, or Mr. Lowe's black var. of this species. The same difficulty occurs with respect to all the varieties.

Sp. 5. C. CANCELLATUS. Leach?

Descr. Shell elevated, narrow, with granulated striæ on the dorsal and lateral areas; margin minutely granular.

C. cancellatus, Sow. Jun. Conch. Illustr. f. 104. 104. a. b. 105.

Obs. This minute species is narrower, more elevated, and more distinctly striated, than the preceding.

Sp. 6. C. ALBUS.

Descr. Shell oval, depressed, sub-carinated, lightly and minutely granulated; margin scaly.

C. albus, Linn. Syst. Nat.? Mont. test. Brit.

Brown, var. C. Aselloides, Lowe, Zool. Journ. v. pl. v. f. 5.

C. albus and var. Sow. Jun. Conch. Illustr. Chiton 99. 99. a. 100.

Obs. Mr. Lowe, in a subsequent communication, states that his C. Aselloides is a variety of the C. albus, of Montagu. The latter may or may not be the C. albus, of Linnæus. It differs from the preceding in the arrangement of the granules, not being linear, and from C. marginatus in the large size, and regular arrangement of the granules, or rather scales of the marginal integument.

Sp. 7. C. LÆVIS.

Descr. Shell apparently smooth, but finely granulated, narrow, carinated: margin broad, velvety to the eye, but finely reticulated.

C. lævis, Pennant, Brit. Zool. 4. t. 36. f. 3? Lowe, Zool. Journ. vol. 5. p. 98. pl. 5. f. 1.

C. marginatus, Linn. Trans. viii. pl. 1. f 2.

C. lævis and var. Sow. Jun. Conch. Illustr. Chiton f. 101. 101. a. b. 102.

Sp. 8. C. RUBER.

Descr. Shell smooth, shining; valves beaked; margin minutely granular.

C. ruber, Linn. Syst. Nat.? Lowe, Zool. Journ. vol. 5. p. 101. pl. 5. f. 2. Sow. Jun. Conch. Illustr. Chiton, 103, 104.

Obs. Care must be taken to distinguish this from the red variety of C. marginatus, which it resembles in appearance, and to the unassisted eye seems almost equally smooth.

Sp. 9. C. LATUS.

Descr. Shell broad, smooth, sub-carinated, margin smooth; colour white and red, variegated.

C. latus, Lowe, Zool. Journ. vol. 5. pl. 5. f. 6, 7. Sow. Jun. Conch. Illustr. Chiton, f. 113, 113. a.

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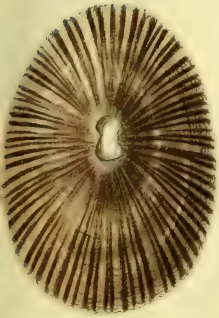

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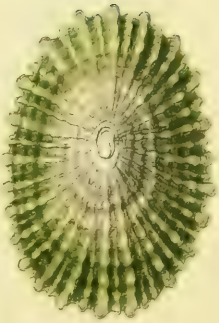

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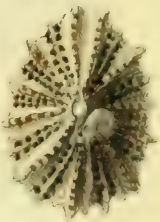

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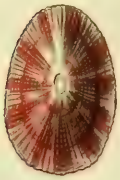

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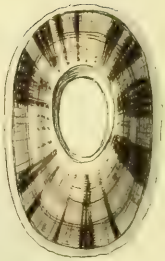

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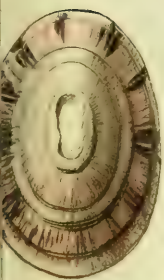

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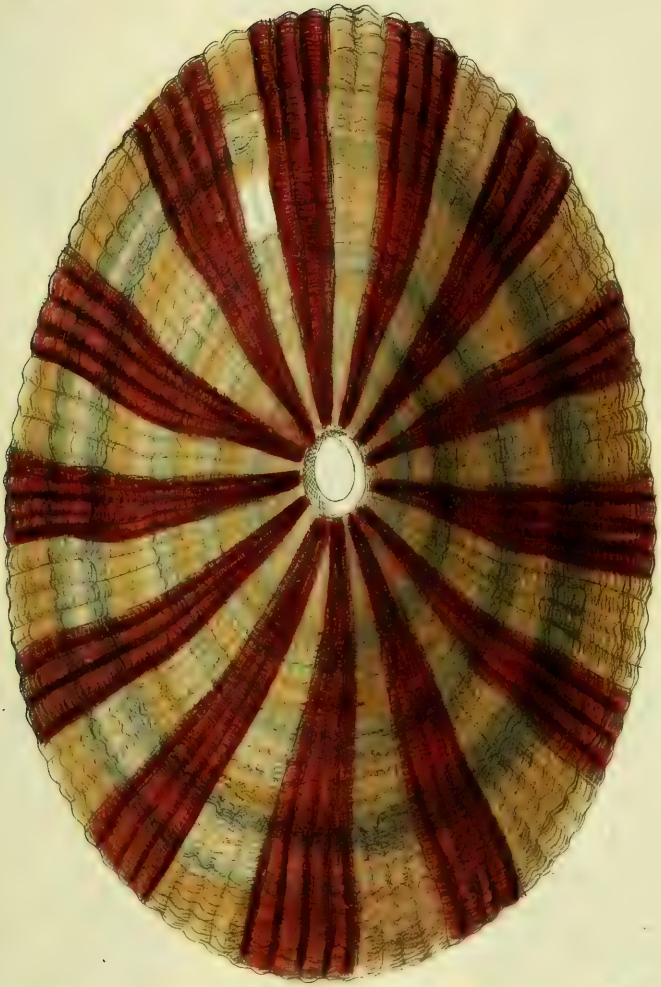
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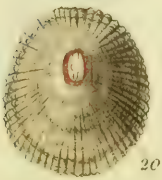
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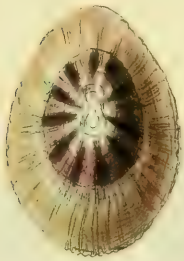

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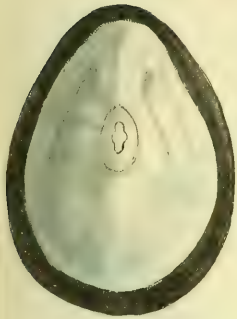

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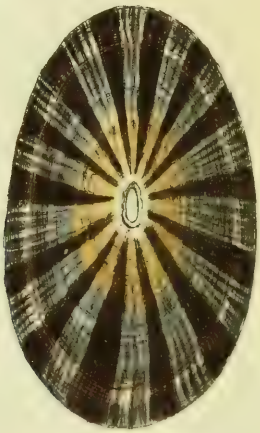

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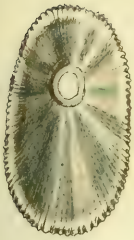

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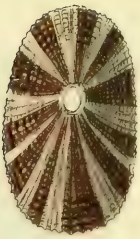

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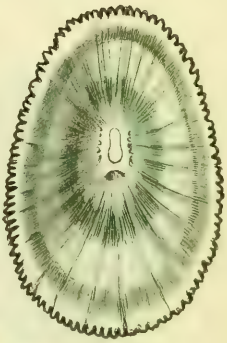

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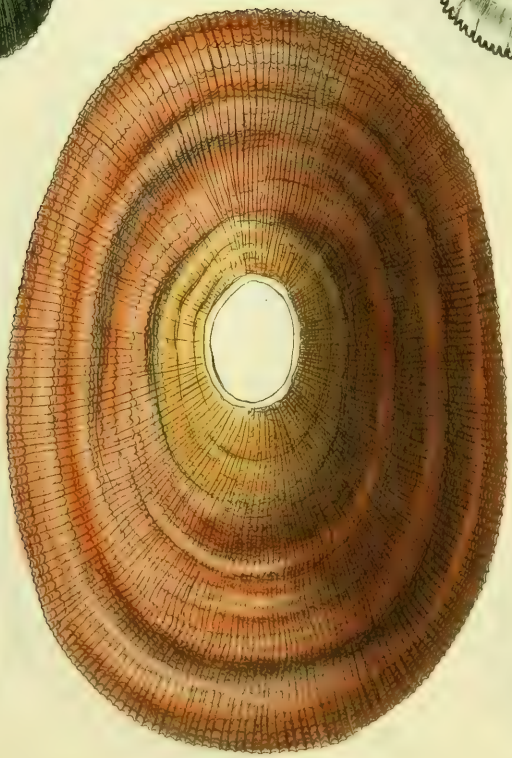

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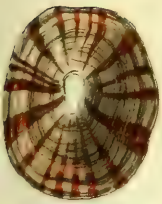

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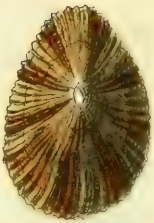

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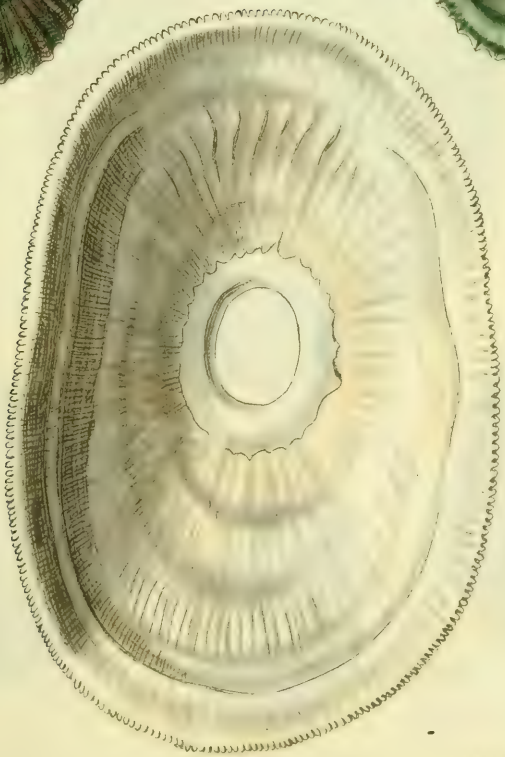

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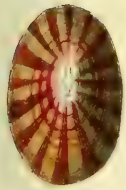

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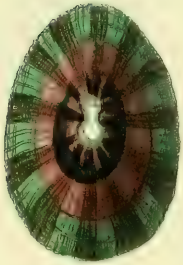

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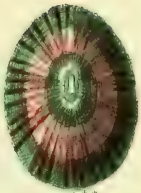

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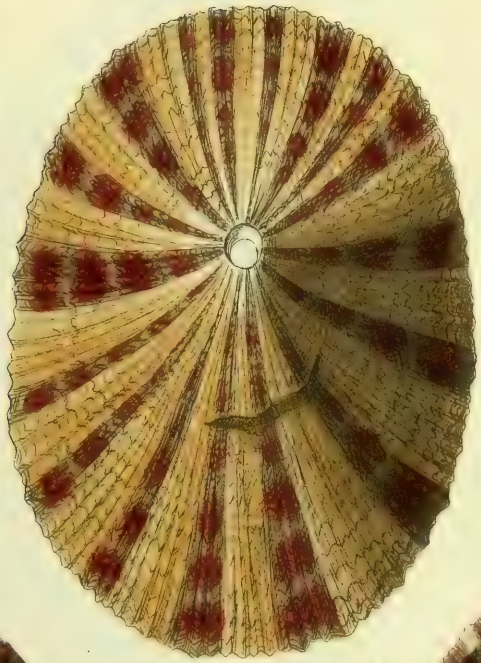

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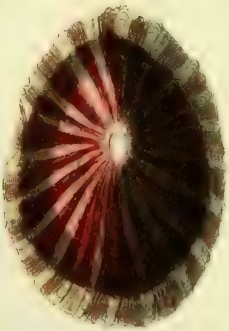

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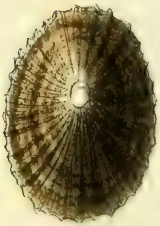

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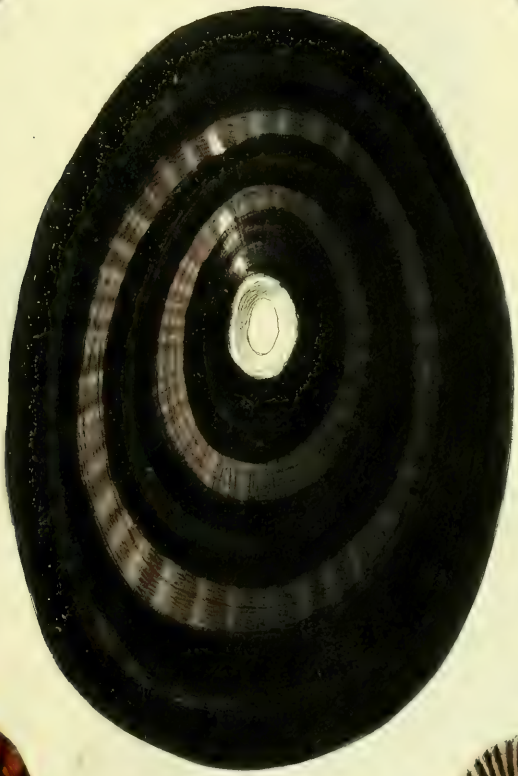

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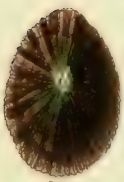

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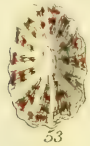

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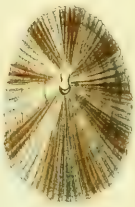

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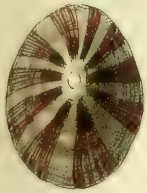

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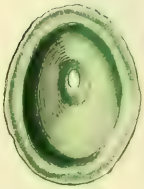

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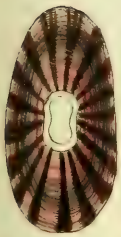

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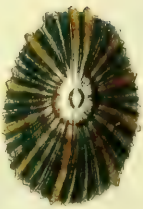

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G.B.Sowerby jun. ex

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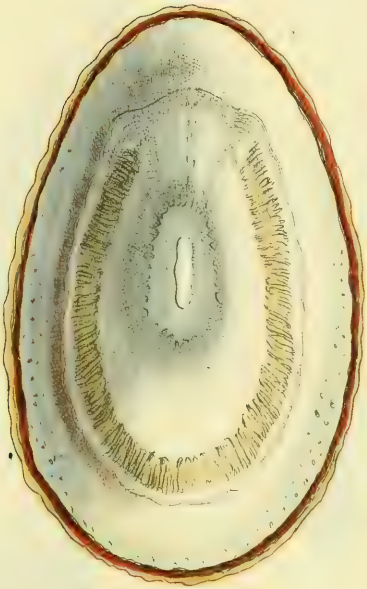

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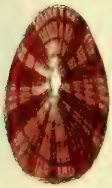

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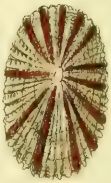

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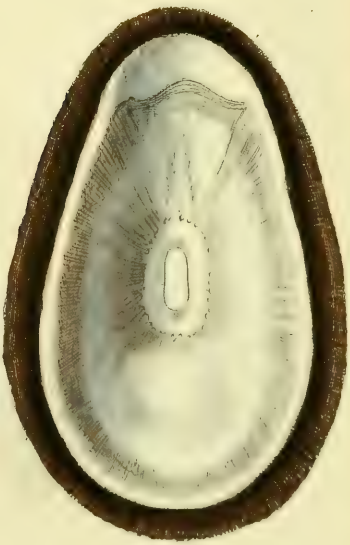

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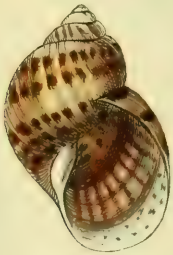

Bulinus

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Bulinus.

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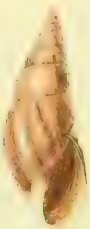

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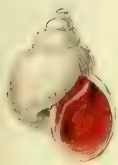

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Bulinus

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Bulinus

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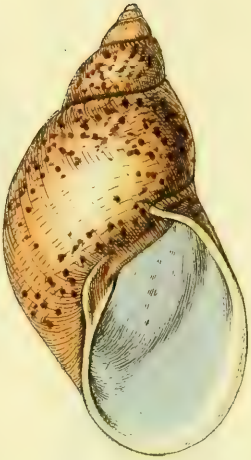

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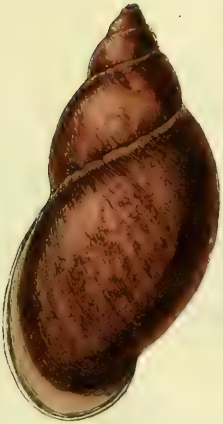

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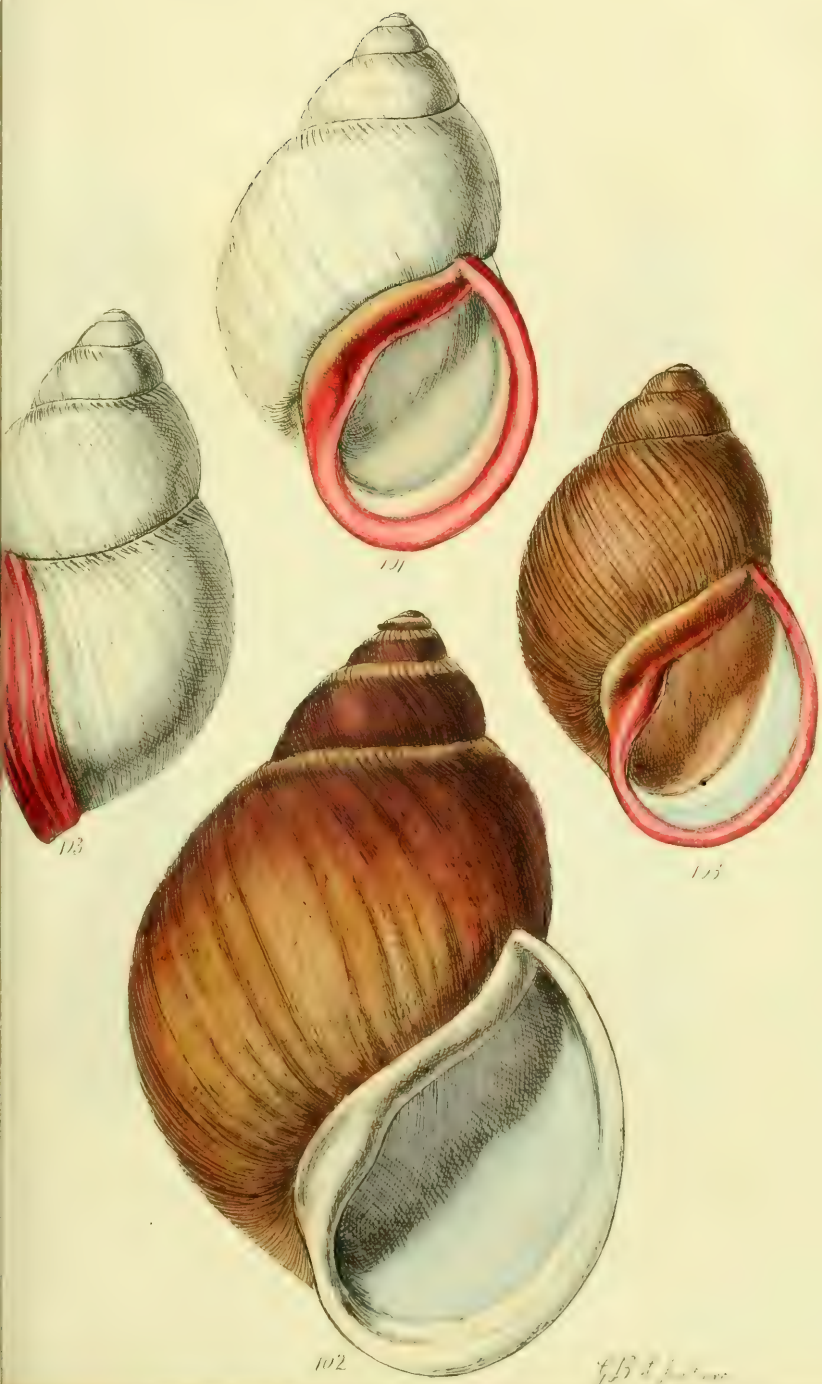

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Chilina.

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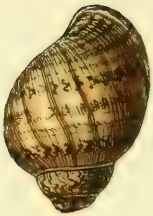

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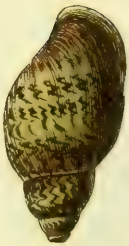

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Chilina

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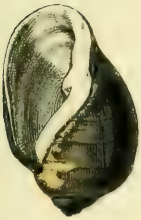

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A CATALOGUE

Of all the Species hitherto known of the Genus Chilina, of Gray, represented in the 135th and 136th parts of

Conchological Illustrations,

By G. B. SOWERBY, Jun.

Spec. 1. Chilina Dombeyana. Conch. Illustr. f. 11.

2. ——— ampullacea. *Sowerby*. Malacological and Conchological Mag. part 2. Conch. Illustr. f. 3.

3. ——— tenuis. *Gray*. Conch. Illustr. f. 12.

4. ——— fluctuosa. *Gray*. Spicilegia Zoologica, t. 6. f. 19. Conch. Illustr. f. 2.

5. ——— fluviatilis. *Gray*. In Mus. Brit. Conch. Illustr. f. 5.

6. ——— fluminea. *Gray*. Spicil. Zool. p. 5. Conch. Illustr. f. 7.

7. ——— major. *Sowerby*. Malacol. and Conchol. Mag. part 2. Conch. Illustr. f. 10.

8. ——— robustior. *Sowerby*. Malacol. and Conchol. Mag. part 2. Conch. Illustr. f. 1.

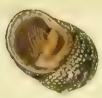
9. ——— Parchappii. *D'Orb*. Synops. Conch. Illustr. f. 8.

10. ——— Tehuelcha. *D'Orb*. M. S. Conch. Illustr. f. 9.

11. ——— Puelcha. *D'Orb*. M. S. Conch. Illustr. f. 13.

12. ——— gibbosa. *Sowerby*. Malacol. and Conchol. Mag. part 2. Conch Illustr. f. 4.

13. ——— ovalis. *Sowerby*. Malacol. and Conchol. Mag. part 2. Conch. Illustr. f. 6.



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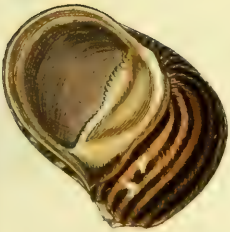

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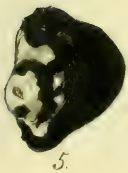

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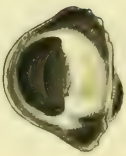

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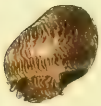

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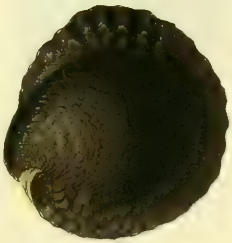

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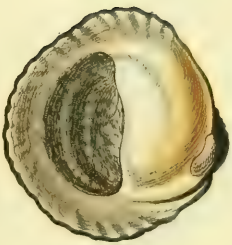

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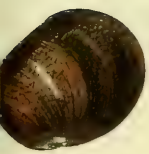

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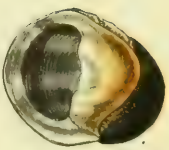

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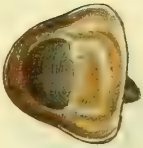

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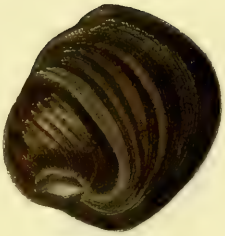

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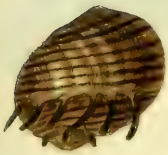

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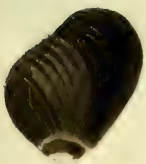

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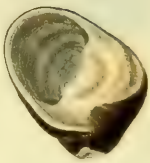

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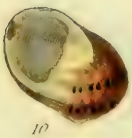

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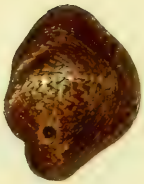

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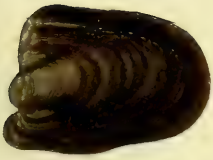

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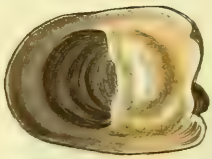

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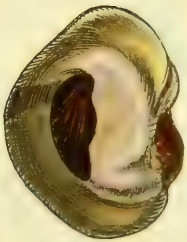

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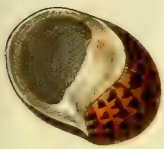

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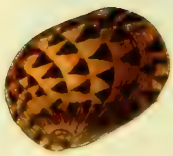

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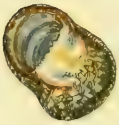

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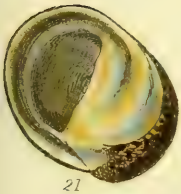

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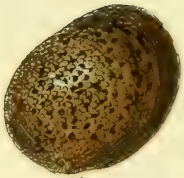

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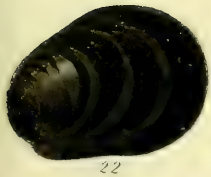

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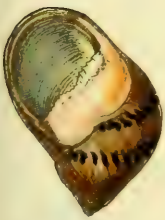

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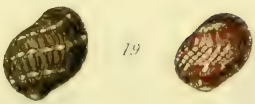

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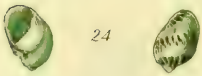

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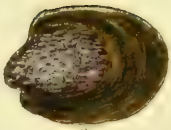

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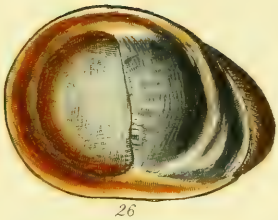

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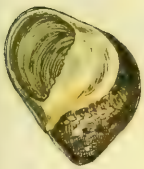

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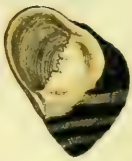

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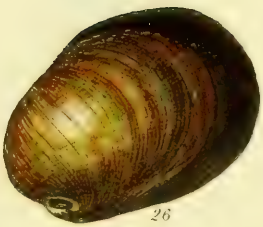

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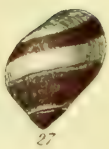

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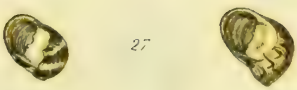

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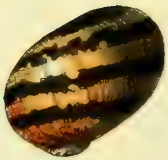

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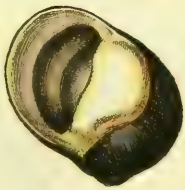

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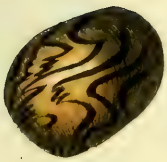

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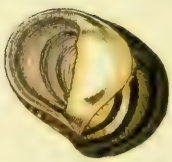

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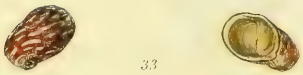

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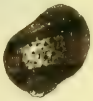

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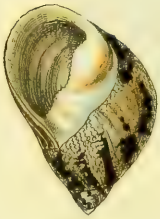

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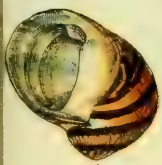

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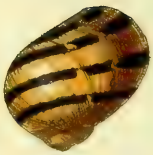

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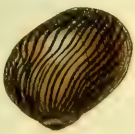

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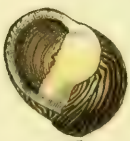

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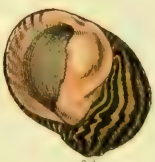

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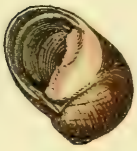

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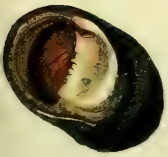

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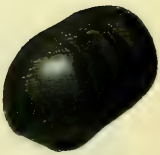

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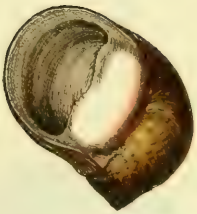

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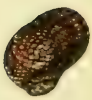

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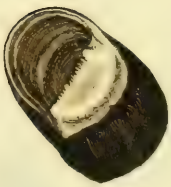

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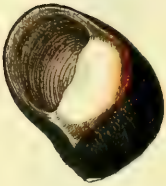
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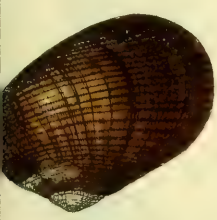
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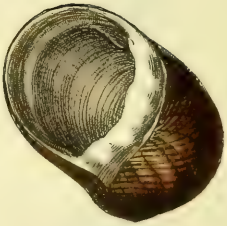
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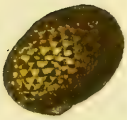
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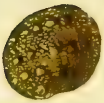
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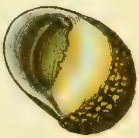
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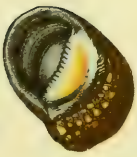
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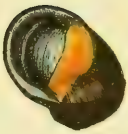
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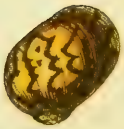
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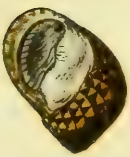
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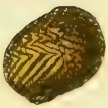
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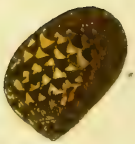
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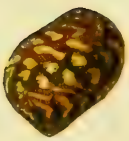
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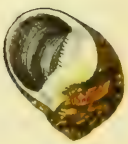
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d.J.S. imp.

A CATALOGUE

OF ALL THE RECENT SPECIES HITHERTO KNOWN
OF THE GENUS

Neritina,

Figured in Parts 86, 87, 90, 91, 94 *to* 100, *of the*

CONCHOLOGICAL ILLUSTRATIONS,

BY

G. B. SOWERBY, Jun.

Spec. 1. N. pulligera *Lam.* Hist. nat. des. Anim. sans vert. Encycl. method t. 455. f. 1. Conch. Illustr. f. 26. Genera of Recent and Fossil Shells, Neritina, f. 6. India.

2. N. canalis *Sowerby* Tank. Cat. No. 1094, app. p. xi. Wood Ind. Test. Sup. Nerita, f. 17. Conch. Illustr. f. 22. Tahiti.

3. N. dubia *Lam.* Chemn. V. f. 2019. 2020. Wood Ind. test. t. 35. Nerita. f. 29. Conch. Illustr. f. 28.

4. N. Zebra *Lam.* Encycl. method. t. 455. f. 3. Wood Ind. test. t. 35, Nerita f. 18. Tahiti.

5. N. Ziczac *Lam.* Conch. Illustr. f. 41.

6. N. punctulata *Encycl. method* t. 455. f. 2. Conch. Illustr. f. 21 Isle St. Vincents.

7. N. gagates *Lam.* Conch. Illustr. f. 29.

8. N. lugubris *Lam.* Conch. Illustr. f. 38.

9. N. Corona. *Lam.* l. c. *Sowerby* Genera of Recent and Fossil Shells, Neritina f. 3. Conch. Illustr. f. 20. Mauritius.

Sp .10. N. spinosa *Budgin* M. S. *Sowerby*, Tank. Cat. No. 1102 Conch. Illustr. f. 9. Tahiti.

11. N. brevispinosa *Lam.* Conch. Illustr. f. 8. 8. *a. b. c. d. e.* (Spinosa *Wood Sup.* t. 8. Nerita f. 12.) Timor and Haynam. Humphrey.

12. N. crepidularia *Lam.* Wood Sup. t. 8. Nerita f. 6. Conch. Illustr. f. 25. River Hoogly, Calcutta.

13. N. auriculata *Lam.* Encycl. method. t. 455. f. 6. Conch. Illustr. f. 17. Sumatra.

14. N. Domingensis *Lam.* Conch. Illustr. f. 42. St. Domingo (Lamarck.)

15. N. fasciata *Lam.* Encycl. method. t. 455. f. 5. Conch. Illustr. f. 35.

16. N. lineolata *Lam.* Chemn. ix. f. 1081. Encycl. method. t. 455. f. 4. Conch. Illustr. f. 37.

17. N. semiconica *Lam.* Chemn. ix. f. 1087. Wood Sup. t. 8. Nerita f. 15 India. Conch. Illus. f. 23.

18. N. strigilata *Lam.* Conch. Illustr. f. 4. var. f. 32. (turrita Chemn. ix. f. 1085.) Sumatra.

19. N. Meleagris *Lam.* Chemn. ix. t. 124. f. D. L. Conch. Illustr. f. 19. (3 var.) (Nerita pulchella Wood. Sup. t. 8. f. 18.) Brazil.

20. N. virginea *Lam.* Chemn. ix. t. 124. f. H. I. Conch. Illustr. f. 27. (six var.) W. Indies.

21. N. fluviatilis *Lam. Drap.* t. 1. f. 3. 4. Conch. Illustr. f. 33. Europe.

22. N. viridis *Lam.* Chemn. ix. f. 1081. 1082. Conch. Illustr. f. 24. (2 var.) West Indies. Antigua.

23. N. Bætica *Lam.* Conch. Illustr. f. 45. Spain.

24 N. granosa *Sowerby* Tank. Cat. No. 1115. Conch. Illustr. f. 6. (papillosa *Jay* Cat. of Recent Shells, pl. 4. f. 11. 11. 11.

25. N. Oweniana *Gray.* Wood Sup. t. 8. Nerita f. 8. Conch. Illustr. f. 15. Africa.

Sp. 26. N. cariosa *Gray*. Wood Sup. t. 8. Nerita f. 9. Conch. Illustr. f. 5. (In the list published with the 91st. part of Conch. Illustr. this is incorrectly named N. Caffra *Gray*.)

27. N. Caffra *Gray*. Woods Sup. t. 8. Nerita. f. 10. Conch. Illustr. f. 51. Fernando Po.

28. N. Smithii *Gray*. Wood Sup. t. 8. Nerita f. 11. Conch. Illustr. f. 36. River Hoogly, Calcutta.

29. N. latissima *Brod*. Zool. Proc. Part II. 1832 p. 201. Conch. Illustr. f. 3. var. Conch. Illustr. f. 16. Real Llejos.

30. N. dilatata. *Brod*. Zool. Proc. l. c. Conch. Illustr. f. 11. Tahiti.

31. N. globosa *Brod*. Zool. Proc. l c. Conch. Illustr. f. 12. (Owenii Wood Sup. t. 8. Nerita f. 16.) Chiriqui.

32. N. Nux. *Brod*. Zool. Proc. l. c. Conch. Illustr. f. 39. Tahiti.

33. N. intermedia *Sowerby*, Zool. Proc. loc. cit. Conch. Illustr. f. 7. Bay of Montejo and Gulf of Nocoiya.

34. N. chlorostoma, *Sowerby*, Zool. Proc. l. c. Conch. Illustr. f. 34. Tahiti.

35. N. picta, *Sowerby*, Zool. Proc. l. c. Conch. Illustr f. 1. Panama.

36. N. reticulata *Sowerby*, Zool. Proc. l. c. Conch. Illustr. f. 2. Lord Hood's Island.

37. N. Morio, *Sowerby*, Zool. Proc. l. c. Conch. Illustr. f. 40. Ducie's and Easter Islands.

38. N. Faba, *Sowerby*, Conch. Illustr. f. 10. Singapore.

39. N. Afra, *Sowerby*, Conch. Illustr. f. 13. Fernando Po.

40. N. piperina *Chemn*. Conch. Illustr. f. 18. Malabar, Chemn. Found among Pepper.

41. N. subgranosa, *Sowerby*, Conch. Illustr. f. 14. Timor.

Sp. 42. N. Prevostiana Conch. Illustr. f. 46. Europe.
43. N. Danubialis, *Sadler*, Conch. Illustr. f. 47. Danube.
44. N. Dalmatica, *Partsch*, Conch. Illustr. f. 57. Dalmatia.
45. N. Pupa, *Dillw*, Conch. Illustr. f. 30. Providence Island, and Haynam.
46. N. lutescens, *Muhlf.* Conch. Illustr. f. 56. (varia. Parr.) Cephalonia.
47. N. rivalis, *Parreyss,* Conch. Illustr. f. 58. Europe.
48. N. Jordani, *Sowerby*, Conch. Illustr. f. 49. (3 var.) River Jordan, Dr. Butler.
49. N. labiosa, *Sowerby*, Conch. Illustr. f. 48.
50. N. subsulcata, *Sowerby*, Conch. Illustr. f. 50.
51. N. reticularis, *Sowerby*, (reticulata, *Benson*) Conch. Illustr. f. 44. Calcutta.
52. N. obtusa, *Benson*, Conch. Illustr. f. 43. Calcutta.
53. N. Coromandeliana, *Sowerby*, Conch. Illust. f. 52. Coromandel. (*Humphrey*, ex mus. Portl.)
54. N. Philppinarum, *Sowerby*, Conch. Illustr. f. 53. Manilla.
55. N. Cassiculum, *Sowerby*, Conch. Illustr. f. 55.
56. N. Sumatrensis, *Sowerby*, Conch. Illustr. f. 54.
57. N. pulchra, *Sowerby*, Conch. Illustr. f. 59.
58. N. triserialis, *Sowerby*, Conch. Illustr. f. 60.
59. N. Guyaquilensis, *D'Orb.* Guyaquil.

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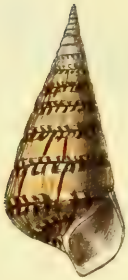

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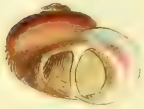
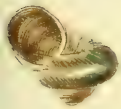
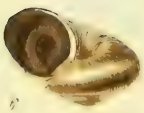
Margarita







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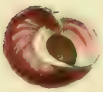

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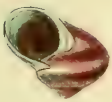

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A CATALOGUE

OF ALL THE SPECIES HITHERTO KNOWN OF LEACH'S GENUS MARGARITA,

Represented in the 132*nd*, 133*rd*, *and* 134*th Parts of*

Conchological Illustrations,

BY

G. B. SOWERBY, Jun.

Spec. 1. Margarita tæniata, Conch. Ill. fig. 2.

2. ——— violacea, *King*, in Zool. Journal, vol. v. p. 346. Conch. Ill. f. 11.

——— violacea var. Conch. Ill. f. 12.

3. ——— expansa, *Sowerby*, in Malacol. and Conchol. Mag. p. 24. Conch. Ill. f. 16.

——— expansa var. Conch. Ill. f. 17.

4. ——— sigaretina, *Sowerby*, in Malacol. and Conchol. Mag. p. 24. Conch. Ill. f. 14.

5. ——— vulgaris, *Leach*, Conch. Ill. f. 13.

6. ——— carnea, (Turbo carneus *Lowe*) Conch. Ill. f. 9.

7. ——— striata, *Brod.* & *Sowerby*, in Zool. Journal, iv. Conch. Ill. f. 3. 18.

8. ——— arctica, *Leach*, Conch. Ill. f. 6.

9. ——— grænlandica, *Beck*. Conch. Ill. f. 10.

10. ——— umbilicalis, *Brod.* & *Sowerby*, Zool. Journal, iv. Conch. Ill. f. 5.

11. ——— sulcata, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch. Ill. f. 1.

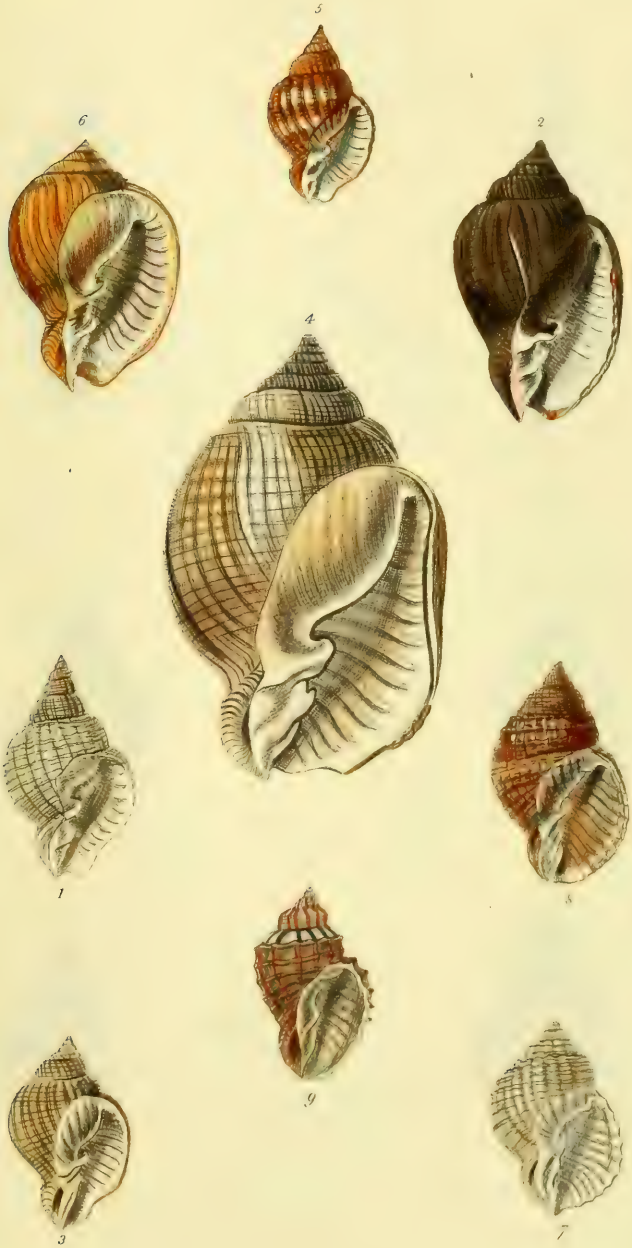
12. ——— undulata, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch. Ill. f. 4.

13. ——— costellata, *Sowerby*, in Malacol. and Conchol. Mag. p 26. Conch. Ill. f. 15.

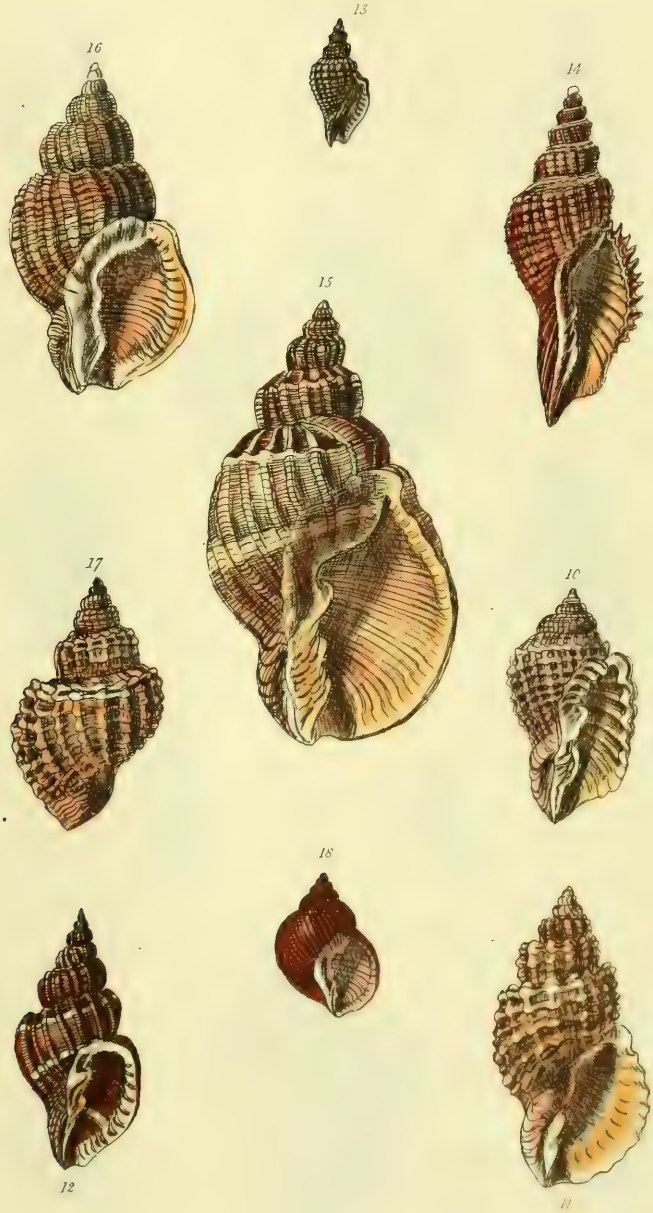
14. ——— acuminata, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch. Ill. f. 7.

15. ——— Solariiformis, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch Ill. f. 8.

Cancellaria.



Cancellaria



Cancellaria.

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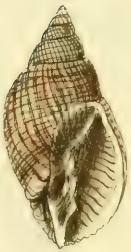

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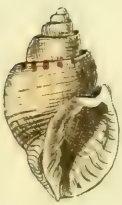

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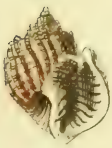

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G.B.S jun. exc.

Cancellaria.

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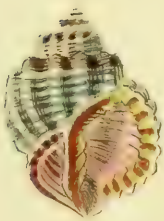

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A CATALOGUE

OF THE

RECENT SPECIES OF CANCELLARIÆ.

THE scientific Public and Conchologists are already aware that it is intended to introduce in this work figures and descriptions of all the new species which have been collected by Mr. H. CUMING. They will be brought in under the various Genera to which they belong; and several have already appeared among the Cypræadæ. I take this opportunity of drawing the attention of Naturalists to this subject, in this place, because it will be seen that half the number of species of the beautiful Genus Cancellaria at present known have been discovered and first brought to England by that Gentleman, to whose indefatigable industry we are indebted for the knowledge of at least 500 species of various Genera, among which are several *new* Genera and a great variety of the most interesting and remarkable species. The care and precision with which Mr. CUMING has preserved all the particulars relative to localities and habitations of the various subjects collected by him, entitle him to our warmest admiration and praise, and I shall gladly avail myself of the advantages afforded to me by this circumstance, not only in stating the localities and habitats of such Shells as have been first discovered by Mr. CUMING, but of such others as we were previously acquainted with, though we knew not those particulars. The descriptions of all the species discovered

by Mr. Cuming either have appeared or will appear in the "Proceedings of the Committee of Science of the Zoological Society," to which we shall refer, by the initials Z. P.

The list here given of the species of the Genus Cancellaria will be found to be much more copious than that in *Lam. Hist. nat. des Anim. sans vert.* where only nine species that really belong to the Genus are given,* eight of these are in this list, and to these I have added one in my work on the Genera of Recent and Fossil Shells, two in the Catalogue of the Tankerville Collection, and sixteen in the present Conchological Illustrations: the remaining twenty-one have been discovered by Mr. Cuming, and are figured from his collection.

Genus CANCELLARIA.

1 Canc. reticulata *Lam.* Encycl. meth. t. 375 f. 3. Antigua.

2 Canc. candida *nobis,* Conch. Illustr. f. 1. Shell ovate-oblong, with an acuminated apex, white; volutions seven, entirely covered with decussating ribs; aperture oblong, canal distinct, folds on the columella two, of which the upper is much the larger; edge of the outer lip sharp, inside with distant rib-like teeth; length 1·2, breadth 0·7. Polynesia, Mr. S. Stuchbury.

3 Canc. ovata *nobis,* Conch. Illustr. f. 2. Z. P. 1832 p. 53. Dredged in sand at from eight to ten fathoms at St. Elena, Western Columbia, Mr. Cuming.

* Lamarck's C. senticosa, C. citharella and C. ziervogeliana do not belong to this genus; the first is a Phos, the second an Oniscia, and the last a Mitra. His C. scalariformis is entirely unknown to me.

4 Canc. obesa *nobis,* Conch. Illustr. f. 3 jun. f. 4. adult. Z. P. 1832, p. 52. From Puerto Portrero and the Gulf of Dulce in central America: dredged at the latter place from a depth of 15 fathoms, Mr. Cuming.

5 Canc. acuminata *nobis,* Conch. Illustr. f. 5. Z. P. 1832 p. 53. Dredged in sandy mud at a depth of twelve fathoms at Guacomayo in central America, Mr. Cuming.

6 Canc. solida *nobis,* Conch. Illustr. f. 6. Z. P. 1832 p. 50. Found at Real Llejos and St. Elena, by dredging in a sandy bottom at from eight to ten fathoms, Mr. Cuming.

7 Canc. gemmulata, *nobis,* Conch. Illustr. f. 7. Z. P. 1832 p. 55. Dredged from a sandy muddy bottom in the Gulf of Nocoiyo, in central America. Mr. Cuming.

8 Canc. decussata *nobis,* Conch. Illustr. f. 8. Z. P. 1832, p. 55. Found in sandy mud by dredging in 10 to 13 fathoms, at Panama and Puerto Portrero.

9 Canc. indentata *nobis,* Conch. Illustr. f. 9. jun. f. 10. adult. Z. P. 1832, p. 54. Shell oblong, cancellated, brown; spire rather short, acuminated; volutions six, cross-ribbed, ribs nodulose at their junctions; aperture ovato-oblong, oblique, effuse near the anterior extremity, canal in front rather lengthened; peritreme indented; columella with three plaits, the lower plait very small, distinct in the young specimen, the two lower plaits united and forming a large callosity in the adult; umbilicus small, with a distinct margin: length 1·3, breadth 0·7.

Of this species Mr. Cuming found two young spe-

cimens on the shore at Panama; a full grown individual is in my collection.

10 Canc. buccinoides *nobis*, Conch. Illustr. f. 11. Z. P. 1832, p. 54. Found in sandy mud from 7 to 15 fathoms at Real Llejos, Iquiqui, Callao and Puerto Portrero, by Mr. Cuming.

11 Canc. clavatula *nobis*, Conch. Illustr. f. 12. Z. P. 1832, p. 52. Found in sandy mud, in 7 fathoms at Panama and at Payta, Mr. Cuming.

12 Canc. uniplicata *nobis*, Conch. Illustr. f. 13. Z. P. 1832. Octr. Two specimens were dredged in sand at a depth of ten fathoms, near Panama, by Mr. Cuming.

13 Canc. mitriformis *nobis*, Conch. Illustr. f. 14. Z. P. 1832 p. 51. A single specimen was dredged by Mr. Cuming, in sandy mud at Panama.

14 Canc. Tritonis *nobis*, Conch. Illustr. f. 15. Shell oblong, light brown, varied with darker; with an acuminated spire; volutions six, rather ventricose, longitunally ribbed and spirally striated, with a slightly nodular keel near the upper or posterior part, above which it is blotched with dark brown; aperture large and wide; outer lip grooved within; columella rugulose near the anterior part; with three small plaits, of which the middle one is smallest, length 2·3, breadth 1·3. Locality unknown.

15 Canc. granosa *nobis*, Conch. Illustr. f. 16, 17. Shell oblong, reddish brown, with an acuminated spire half the length of the shell; volutions six, flattened on the upper part, longitudinally ribbed, and transversely grooved, ribs granose, more strongly so above: aperture

wide, outer lip grooved within; columella slightly rugulose in front, with three plaits, the two lower smaller: canal distinct: length 1·7, breadth 1·0. Locality unknown.

16 Canc. piscatoria *nobis.* Canc. nodulosa Lam. Bucc. piscatorium. Chemnitz iv. f. 1151, 1152.

17 Canc. Littoriniformis *nobis,* Conch. Illustr. f. 18. Shell subglobose, chesnut brown, rough; spire acuminated; volutions five, rounded, with close-set cross striæ; aperture nearly oval, outer lip grooved within, canal very short and indistinct; plaits on the columella three, small; umbilicus rather large, with a rounded edge: length 0·75, breadth 0·5. From Ceylon.

18 Canc. elegans *nobis,* Genera of Shells, No. v. fig. 3.

19 Canc. asperella *Lam.* Encycl. meth. t. 374 f. 3.

20 Canc. oblonga *nobis,* Tank. Catal. app. p. xv. Conch. Illustr. f. 19.

21 Canc. tessellata *nobis,* Conch. Illustr. f. 20 jun. f. 20* adult. Z. P. 1832 p. 51. Dredged in sandy mud at a depth of from 7 to 10 fathoms in the Bay of Caraccas, at St. Elena and at Xipixapi. Mr. Cuming.

22 Canc. nodulifera *nobis,* Tank. Cat. app. p. xv. No. 1544. Conch. Illustr. f. 21.

23 Canc. Cassidiformis *nobis,* Conch. Illustr. f. 22. Z. P. 1832 p. 53. Young shells of this species were dredged in sandy mud in sixteen fathoms water, at Panama, by Mr. Cuming.

24 Canc. australis *nobis,* Conch. Illustr. f. 23. Shell ovato-oblong, decussated, white; spire rather acuminated, obtuse at the apex; volutions five, rounded, with a deep suture, and covered with decussating ribs; aper-

ture oval, outer lip grooved within; columellar lip slightly rugulose, with 3 plaits, canal distinct; length 0·8, breadth 0·5. New South Wales; the late G. Humphrey's Collection.

25 Canc. lævigata *nobis*, Conch. Illustr. f. 24. Shell ovato-oblong, smooth, white; spire rather acuminated, obtuse at its apex; volutions five, rounded, somewhat flattened at the upper part and with a deep suture; aperture oval, outer lip deeply grooved within; columellar lip slightly rugulose in front, with 3 plaits; canal distinct: length 0·9, breadth 0·55. New South Wales, the late G. Humphrey.

26 Canc. spirata *Lam.* Conch. Illustr. f. 25. I have received several specimens of this species from Garden Island. Mr. Gray has informed me that the specimens under this name in Lamarcks own collection are not Cancellariæ; the description given in his Hist. nat. des anim. sans vertebres, accords, however, so perfectly with my shells, that I cannot hesitate to regard them as Lamarck's species.

27 Canc. obliquata *Lam.* Conch. Illustr. f. 26. Haynam.

28 Canc. scalata *nobis*, Conch. Illustr. f. 27. Shell oblong, reddish brown, spire acuminated; volutions six, with a bluntly angular-edged and broad groove next to the suture, the margin of which groove is crenulated; the volutions covered with longitudinal, somewhat nodulose ribs, the interstices of which have a few cross-striæ; aperture white, oval, truncated and with an internal tubercle at the upper part, outer lip grooved within; columella with four small plaits, rugulose,

umbilicus small, narrow: length 1·2, breadth, 0·7. East Indies.

29. Canc. contabulata *nobis*, Conch. Illustr. f. 28. Shell oval, pale brown, nodulose-ribbed; spire rather short; volutions five, ventricose, their upper part next the suture flat, with a bluntly angular edge; nodulose longitudinal ribs continued obliquely over the flat space to the suture; aperture large, white, oval, truncated at its upper part; outer lip grooved within; columella with four small plaits, of which the upper one is very small; umbilicus small: length 1·2, breadth 0·8. Ceylon.

30 Canc. crenifera *nobis*, Conch. Illustr. f. 29. Shell ovate, pinkish brown, shining; volutions 5 to 6, rounded, with longitudinal crenulated ribs, the upper ends of which form a strongly crenated edge to the canaliculated suture; aperture oval, white; outer lip thickened, reflected, grooved within, columella with three plaits; canal indistinct; umbilicus small but distinct and rough at its edge: length 0·9, breadth 0·5. From Ceylon.

31 Canc. scalarina *Lam.* Chemn. iv. f. 1172, 1173.

32 Canc. crispa *nobis*, Conch. Illustr. f. 30. Shell oval, brownish with lighter bands, rough; spire acuminated; volutions 5 to 6, rather ventricose, with longitudinal ribs, which are dentated on their edges and raised above the edge of the canaliculated suture, aperture ovate, truncated at the upper part and forming a small canal anteriorly; outer lip grooved within; plaits on the columella three; umbilicus small: length 1·0, breadth 0·6. Locality unknown.

33 Canc. costifera, *nobis*, Conch. Illustr. f. 31. Shell oval, light brown, spire acuminated, volutions six, angular at the upper edge, flat next to the suture, with distant longitudinal ribs, which are pointed at the upper part, and then continuous in an oblique direction across the flat upper edge of the volutions: interstices slightly cross-striated: aperture oval, truncated at the upper part, outer lip grooved within; columella with three plaits, umbilicus very small: length 0·8, breadth 0·45.

34 Canc. articularis *nobis*, Conch. Illustr. f. 32. Shell oblong, subturrited, orange brown; spire acuminated; volutions six, canaliculated at the suture, obliquely longitudinally ribbed, ribs prominent at the edge of the channelled suture and crenated on their edges; aperture wide, oval, truncated at the upper part; outer lip reflected, finely grooved within; columella with three small plaits; umbilicus small; length 0·9, breadth 0·5. Ceylon.

35 Canc. brevis *nobis*, Conch. Illustr. f. 33. Z. P. 1832 p. 52. Found at Puerto Portrero and St. Elena; Mr. Cuming.

36 Canc. pusilla *nobis*, Conch. Illustr. f. 34. Shell subglobose, ventricose, pale; volutions four, with a broad flat area at the upper part, which is crenated at both edges; longitudinally ribbed and cross-striated; aperture trigonal, plaits on the columella two; umbilicus none: length 0·5, breadth 0·4, a single specimen was taken out of the umbilicus of a Cassis rufa from New South Wales.

37 Canc. bullata *nobis*, Conch. Illustr. f. 35. Z. P. 1832 p. 51. Dredged in mud at a depth of twelve fathoms,

at Payta, and in the Gulf of Nocoiyo. Mr. Cuming.

38 Canc. tuberculosa *nobis*, Conch. Illustr. f. 36. Z. P. 1832 p. 51. Dredged in sandy mud, at a depth of seven fathoms, at Iquiqui. Mr. Cuming.

39 Canc. pulchra *nobis*, Conch. Illustr. f. 37. Z. P. 1832 p. 50. Dredged from a sandy bottom in from eight to ten fathoms, at St. Elena. Mr. Cuming.

40 Canc. cancellata *Lam.* Encycl. method. 375 f. 4.

41 Canc. similis *nobis*, Conch. Illustr. f. 38. Shell ovate, rather compressed, varicose; spire somewhat acuminated, volutions six to seven, gradually increasing, whitish with irregular brown bands, longitudinally obliquely ribbed, ribs distant, crossed by strongly marked elevated lines; aperture white, ringent, outer lip varicose outside, crenated at its border, deeply grooved and strongly toothed a little way within the edge, columella with three plaits, of which the lowest is the smallest and double; canal reflected, umbilicus very small with a broad and distinct border: length 1·2, breadth 0·9.

42 Canc. chrysostoma *nobis*, Conch Illustr. f. 39. Z. P. 1832, p. 54. Found in sand at from 8 to 10 fathoms, at Panama and St. Elena. Mr. Cuming.

43 Canc. rugosa *Lam.* Encycl. meth. t. 375 f. 8. China.

44 Canc. hæmastoma *nobis*, Conch. Illustr. f. 40. Z. P. 1832, p. 54. Found in sand at from 10 to 16 fathoms, near the Gallapagos Islands. Mr. Cuming.

45 Canc. rigida *nobis*, Conch. Illustr. f. 41. Z. P. 1832, p. 53. Dredged in sand at 13 fathoms depth at Puerto Portrero. Mr. Cuming.

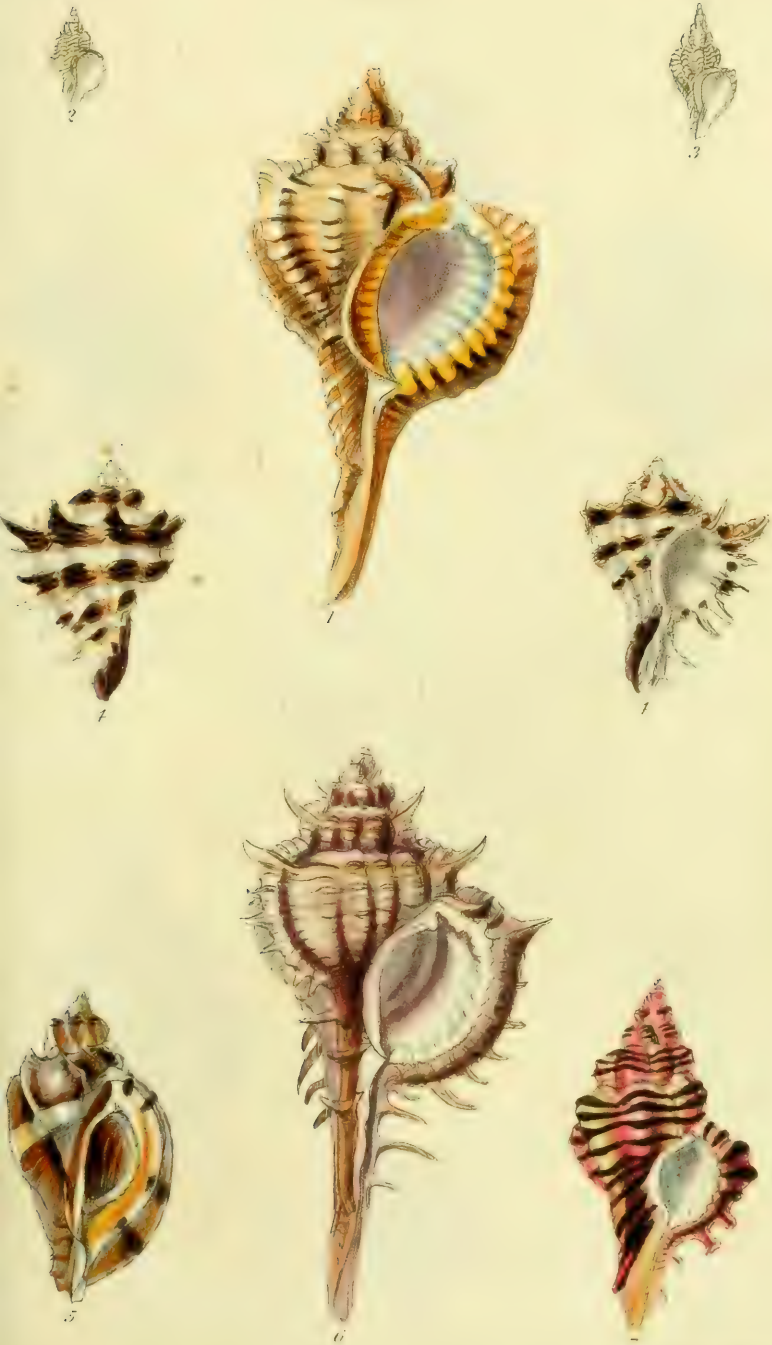
46 Canc. costata *Gray*, Conch. Illustr. f. 42. Shell oblong, fulvous varied and banded with dark brown, longitudinally ribbed and transversely striated; spire acuminated, volutions six, with a flat, sharp-edged space at the upper or posterior part; ribs distant, sharp-edged anteriorly, continuing obliquely over the flat space to the suture; aperture subtrigonal, outer lip slightly grooved within; columella with two distinct and one very small plait, lip a little rugose; umbilicus rather large; length 0·95, breadth 0·7.

47 Canc. goniostoma *nobis*, Conch. Illustr. f. 43. Chemn. iv. Vign. 37 f, a. b. c. Z. P. 1832, p. 51. A single specimen was brought up from a sandy bottom in eight fathoms water at Conchagua by Mr. Cuming.

48 Canc. trigonostoma *nobis*, Conch. Illustr. f. 44. Delphinula trigonostoma *Lam.* vii. pt. II. p. 231. Shell pyramidal, acuminated, white or pale brown; volutions five, flat and spirally striated on the upper part, the edge of which is strongly keeled and crenated; slightly longitudinally ribbed and spirally striated on the lower part; aperture triangular, with a distinct varicose edge, and three small plaits on the columella; umbilicus very large, crenated at the edge; length 0·9; breadth 0·75. Ceylon.

Obs. It is remarkable that in this shell, which is the *Bordstrappe* of the Dutch Conchologists, the inner edge of the volutions are set against the edge of the umbilicus.

G. Odell, Printer, 69, King-street, Golden-square.



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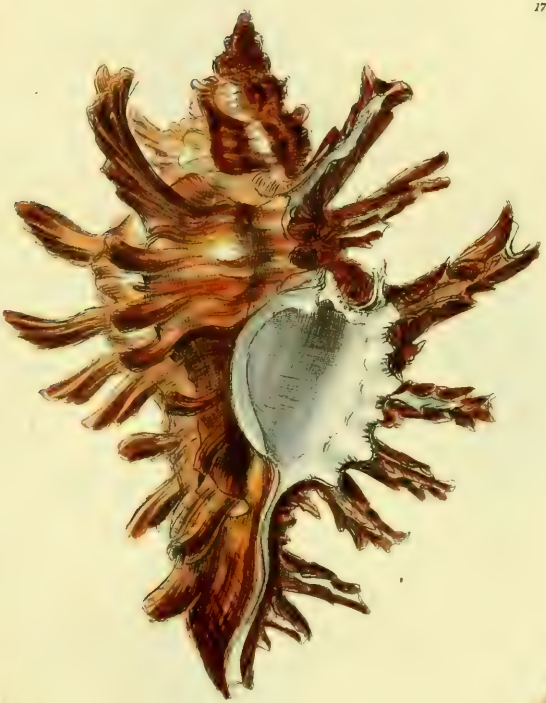

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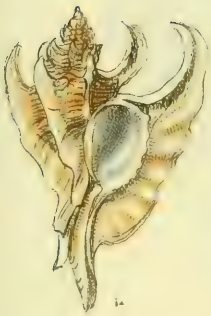

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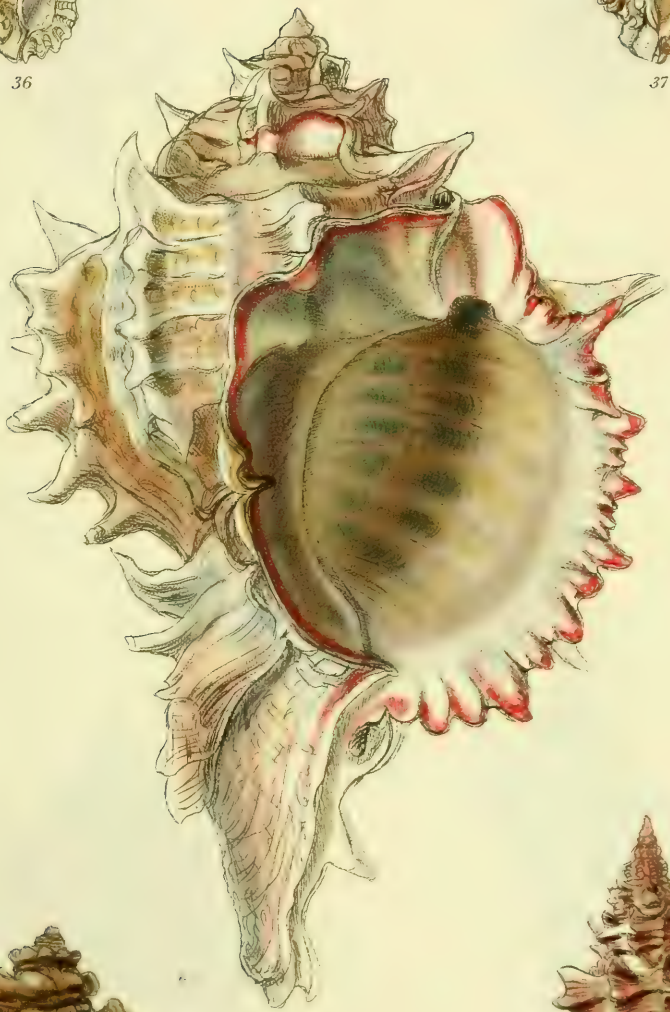

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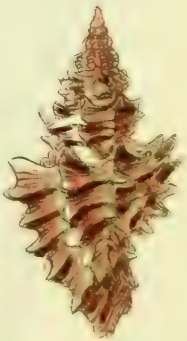

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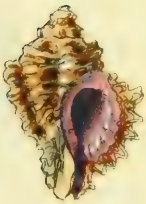

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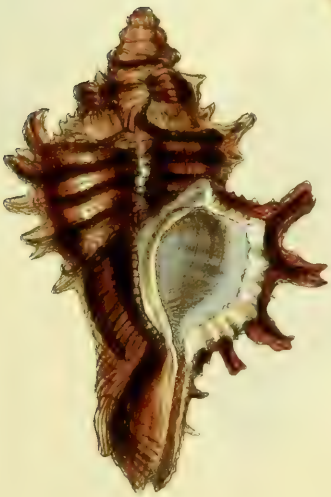

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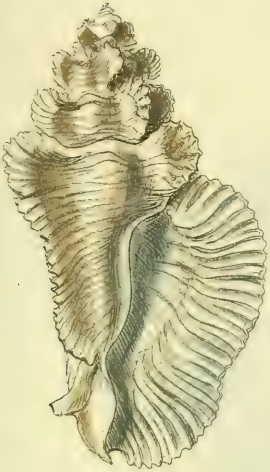

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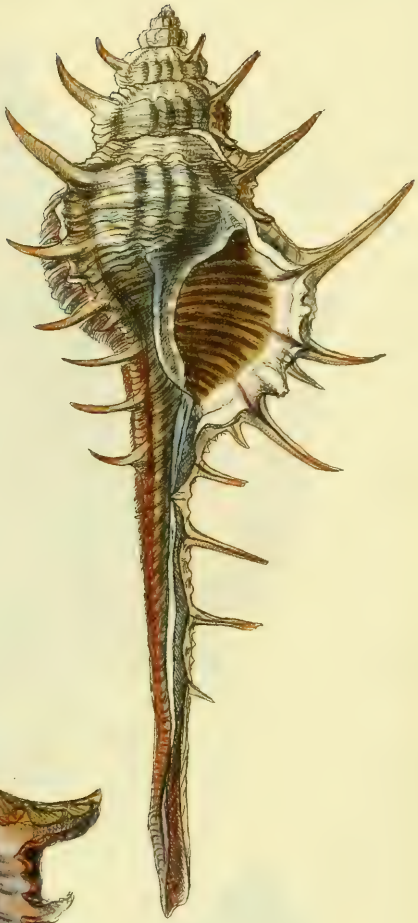

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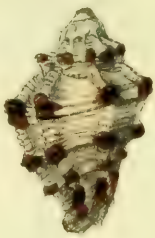

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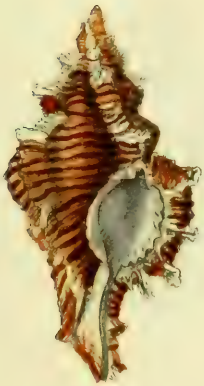

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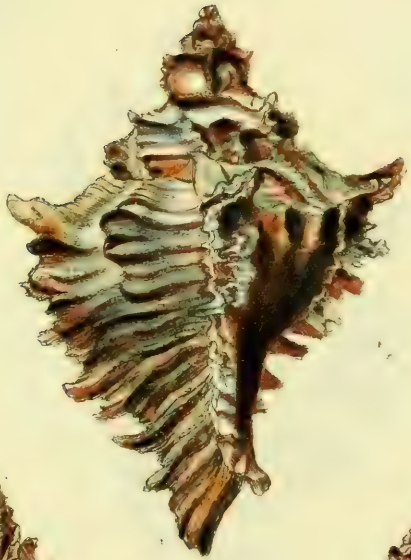

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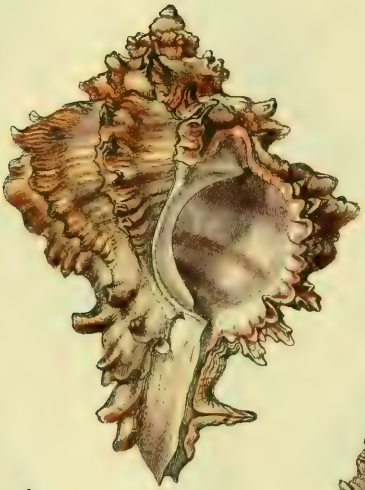

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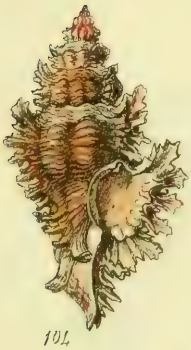

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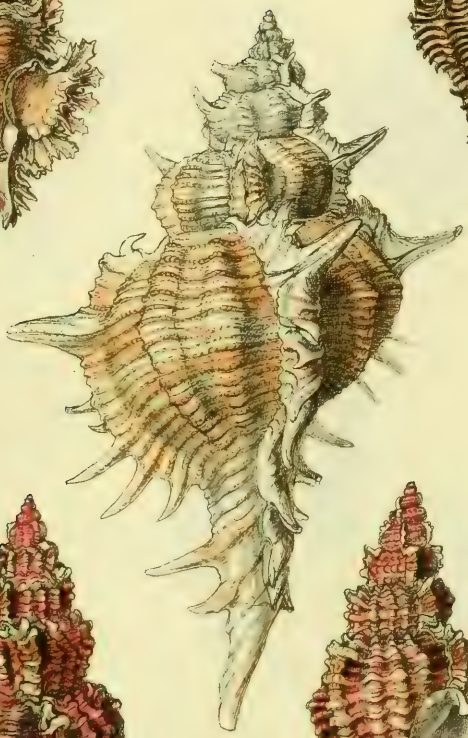

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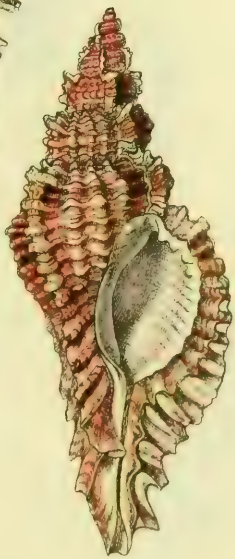

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Murex

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MURICES.

Index to the Figures in Parts 58 to 67, and 187 to 199.

(The Figures after the name refers to the Catalogue.)

FIG.

1 M. chrysostoma, Sp. 8.
2 *Fusus nucleus.*
3 *Fusus pallidus.*
4 M. nitidus, Sp. 84.
5 M. salebrosus, var. Sp. 116.
6 M. plicatus, Sp. 15.
7 M. rubescens, Sp. 37.
8 M. crispus, Sp. 114.
9 M. recurvirostrum, Sp. 13.
10 M. brevispina, Sp. 7.
11 M. Oxyacantha, Sp. 80.
12 M. Maurus, Sp. 39.
13 M. inscisus, Sp. 109.
14 *Purpura, crassilabrum.*
15 M. Lappa, Sp. 98.
16 M. erosus, Sp. 104.
17 M. exiguus, Sp. 106.
18 M. megacerus, Sp. 97.
19 M. vittatus, Sp. 122.
20 M. dipsacus, Sp. 113.
21 M. margariticola, Sp. 118.
22 *Fusus carduus.*
23 M. dubius, Sp. 119.
24 M. Tarentinus, Sp. 64.
25 M. tetragonus, Sp. 111.
26 M. lugubris, Sp. 108.
27 *Fusus squamosus.*
28 *Pollia buxea.*
29 *Fusus horridus.*
30 M. turbinatus, Sp. 94.
31 M. falcatus, Sp. 101.
32 M. angularis, Sp. 96.
33 M. trialatus, Sp, 58.

FIG.

34 M. Zelandicus, Sp. 99.
35 M. aduncus, Sp. 100.
36 M. tetragonus, Sp. 111.
37 M. breviculus, Sp. 110.
38 M. erythrostoma, var. Sp. 91.
39 M. torosus, Sp. 65.
40 M. cristatus, Sp. 121.
41 M. fenestratus, Sp. 78.
42 M. Fiscellum, Sp. 117.
43 M. Princeps, Sp. 83.
44 M. castaneus, Sp. 41.
45 M. Occa, Sp. 6.
46, 47 } M. humilis, Sp. 81.
48 M. salebrosus, Sp. 116.
49 M. varicosus, Sp. 76.
50 M. pinniger, Sp. 49.
51 M. acanthopterus, var. Sp. 59.
52 M. rarispina, Sp. 4.
53 M. anguliferus, Sp. 23.
54 M. tripterus, Sp. 55.
55 M. Senegalensis, Sp. 24.
56 M. Brassica, Sp. 88.
57 M. varius, Sp. 69.
58 *Fusus caniniferus.*
59 M. laciniatus, Sp. 47.
60 M. Jatonus, young, Sp. 79.
61 M. Senegalensis, var. Sp. 24.
62 M. Fiscellum, var. Sp. 117.
63 M. aculeatus, Sp. 32
64 M. Monoceros, Sp. 62.
65 front view of the same.
66 M. axicornis var. Sp. 30.

Fig.
67 M. Maurus, var. Sp. 39.
68 M. ternispina, var. Sp. 2.
69 M. Motacilla, var. Sp. 18.
70 M. similis, Sp. 20.
71 M. tumulosus, Sp. 71.
72 M. corrugatus, Sp. 44.
73 M. scabrosus, Sp. 28.
74 M. canaliferus, Sp. 51.
75 M. mitriformis, Sp. 52.
76 M. Capensis, Sp. 53.
77 M. Saulii, Sp. 34.
78 M. laqueatus, Sp 45.
79 M. cancellatus, Sp. 50.
80 M. Edwardsii, Sp. 66.
81 M. inconspicuus, Sp. 67.
82 M. Banksii, Sp. 31.
83 M. Balteatus, Sp. 105.
84 M. elegans, Sp. 19.
85 M. acanthopterus, Sp. 59.
86 M. fasciatus, Sp. 68.
87 M. inermis, Sp. 103.
88 M. elongatus, var. Sp. 22.
89 M. elongatus, var. Sp. 22.
90 M. turbinatus, Sp. 94.
91 variety of the same.
92 M. Mindinaoensis, Sp. 17.
93 M. Messorius, Sp. 9.
94 M noduliferus, Sp. 120.

Fig.
95 M. Cyclostoma, Sp. 107.
96 M. erosus, var. Sp. 104.
97 M. Monoceros, Sp. 62.
98 M. emarginatus. Sp. 61.
99 M. rufus, var. Sp. 42.
100 M. emarginatus, Sp. 61.
101 M. pliciferus, Sp. 14.
102 M. trigonulus, Sp. 48.
103 M. Peruvianus, Sp. 112.
104 M. palmiferus, Sp. 43.
105 M. microphyllus, Sp. 38.
106 M. uncinarius, Sp. 57.
107 M. trigonularis, Sp. 56.
108 M. varius, var. Sp. 69.
109 M. pinniger, Sp. 49.
110 M. ternispina, Sp. 2.
111 M. rectirostrum, Sp. 11.
112 M. formosus Sp. 16.
113 M. nigrescens, Sp. 12.
114 M. digitatus, Sp. 77.
115 M. acanthopterus? Sp. 59.
116 M. secundus, Sp. 75.
117 M. inconspicuus, Sp. 67.
118 M. Rosarium, Sp. 87.
119 M. Rota, Sp. 73.
120 M. torrefactus, Sp. 35.
121 M. torrefactus, var. Sp. 35.

Ranella.

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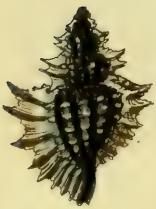

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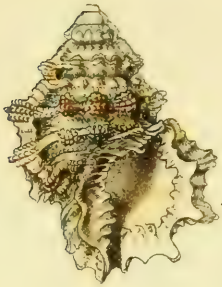

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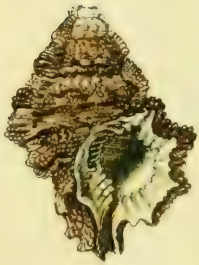

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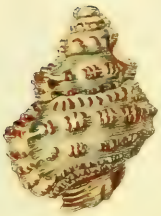

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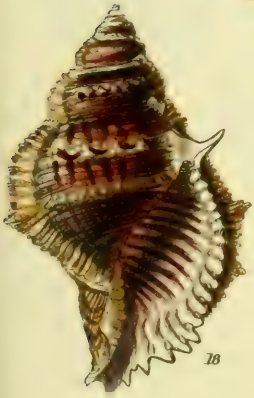

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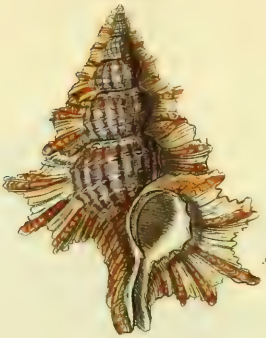

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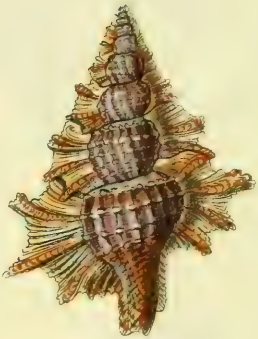

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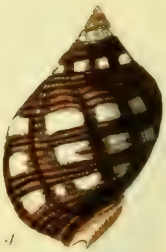

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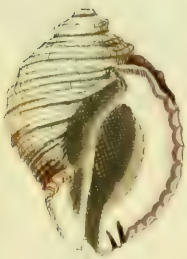

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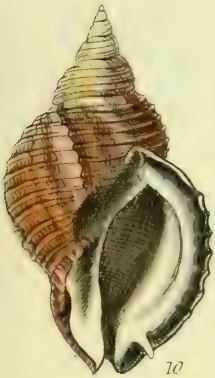

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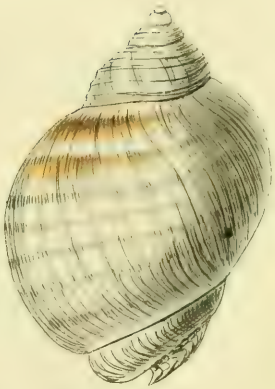

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A CATALOGUE

OF ALL THE RECENT SPECIES HITHERTO KNOWN OF THE GENUS

Monoceros,

OF LAMARCK.

Spec. 1 Mon. cingulatum *Lam.* Hist. Nat. des anim. sans vert. Encycl. meth. t. 396. f. 4. *Sowerby*, Genera of Recent and Fossil Shells, No. 5, Monoceros, f. 4. Panama.

2 Mon. imbricatum *Lam.* l. c. Encycl. meth. t. 396. f. 1. *Sowerby*, l. c. Monoceros, f, 1. Tierra del Fuego.

——— ——— var. Conch. Illustr. f. 15.

3 Mon. striatum *Lam.* l. c. Encycl. meth. t. 396. f. 3. M. breve *Sowerby*, l. c. Monoceros f. 2. Tierra del Fuego.

4 Mon. glabratum *Lam.* l. c. Encycl. meth. t. 396. f. 5.

——— ——— var. Conch. Illustr. f. 16.

5 Mon. crassilabrum *Lam.* l. c. Encycl. meth. t. 396. f. 2. Conch. Illustr. f. 14.

——— ——— var. Conch. Illustr. f. 13. Valparaiso.

6 Mon. cymatum, *Sowerby*, Tank. Cat. No. 1888. Zool. Proc. Buccm. cymatum, *Solander*. M.S. ined. Monoceros lugubre, *Sowerby*. Genera, No. 5. Monoceros f. 3. Wood Supplement. Tab. 4. Buccinum, f. 11-12. Conch. Illustr. f. 11. California.

7 Mon. grande *Gray*, in Beechey's Narrative. Conch Illustr. f. 1. operculum 1. a. Galapagos.

8 Mon. costatum, *Sowerby*, Zool. Proc. Conch. Illustr. f. 6. Chili (Conception.)

9 Mon. acuminatum, *Sowerby*, Zool. Proc. Conch. Illustr. f. 10. Chili (Baldivia.)

10 Mon. Globulus, *Sowerby*, Zool. Proc. Conch. Illustr, f. 8. Chili (Maulé.)

11 Mon. citrinum, *Sowerby*, Zool. Proc. Conch. Illustr. f. 2. var. Conch. Illustr. f. 12. Coquimbo.

12 Mon. brevidentatum, *Gray*, in Beechey's Narrative. Woods Index testaceologicus, Supt. t. 4. Buccinum, f. 10. Conch. Illustr. f. 4. Purpura cornigera, De Blainville Annales du Museum, Monographie des Pourpres t. 9. f. 4.

13 Mon. punctulatum, *Gray*, in Beechey's Narrative. Conch. Illustr. f. 3.

14 Mon. unicarinatum, *Sowerby*. Conch. Illustr. f. 5.

15 Mon. tuberculatum, *Gray*. Conch. Illustr. f. 9.

16 Mon. fusoides, *King*, Zool. Journ. V. p. 348. Conch. Illustr. f. 7.

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EBURNA.

1 spirata *Lam.* Encycl. meth. t. 401. f. 2. E. Indies.

2 Ambulacrum *nob.* Tank. Cat. App. p. 22. Conch. Illustr. f. 2. Java.

3 Valentiana *Swains.* Zool. Illustr. first series pl. 144. Red Sea.

4 pacifica *Swains. (lutosa Lam.)* Zool. Illustr. first series pl. 146. New Zealand.

5 tessellata *Swains. (areolata Lam.)* Zool. Illustr. first series pl. 145. China, *Lam.*

6 zeylanica *Lam.* Encycl. meth. t. 401. f. 3. Ceylon.

7 plumbea *nob.* Conch. Illustr. f. 3 & 4. Bucc. plumbeum auct.m

8 australis *nob. (Cancellaria spirata Lam. secund. D. Gray.)* Conch. Illustr. f. 5. New South Wales. Shell ovate, pinkish brown, with darker spots, spirally striated, with a deep spiral groove close to the suture; outer lip with a small tooth at the edge near the base.

9 papillaris *nob.* Tank. Cat. App. p. 22. Conch. Illustr. f. 1. Cape of Good Hope.

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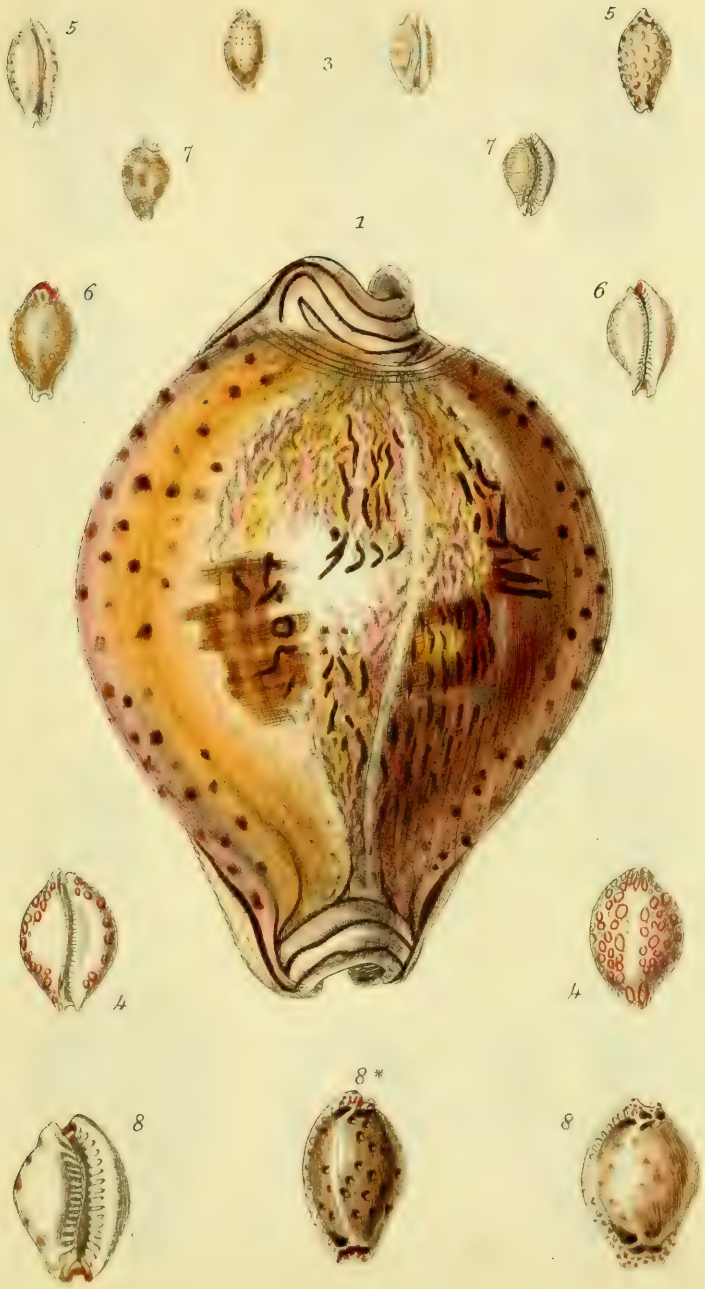

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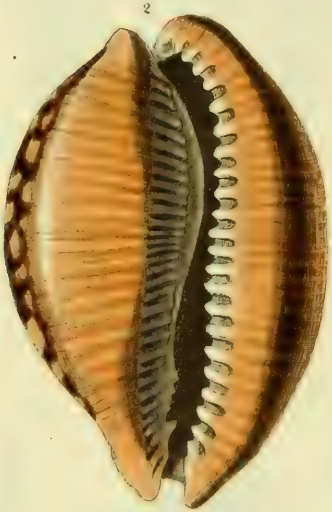

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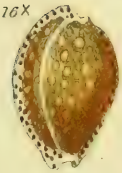

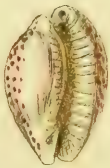

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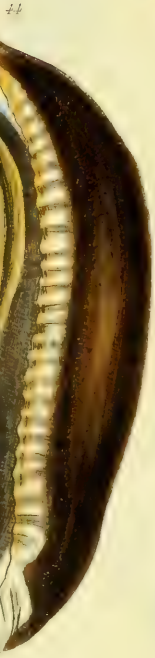
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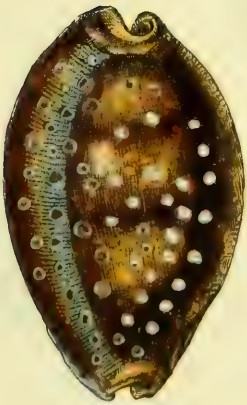

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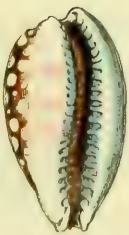

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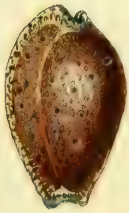

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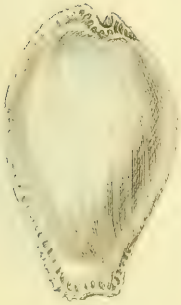

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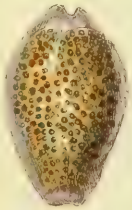

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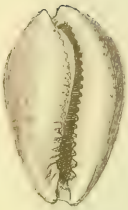

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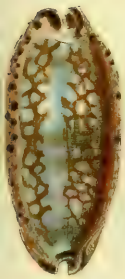

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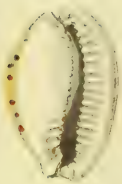

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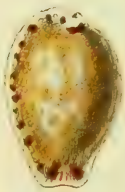

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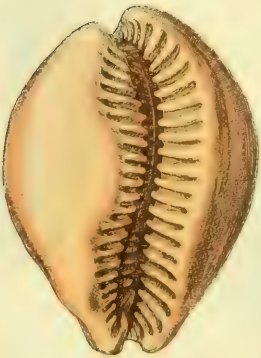

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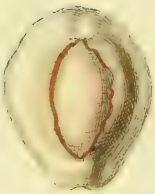

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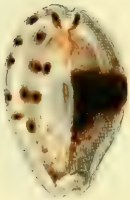

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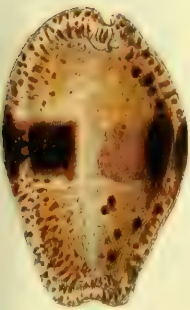

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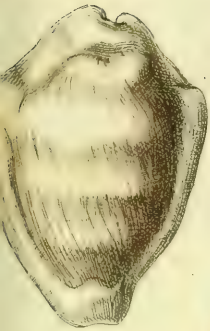

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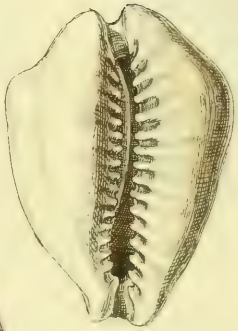

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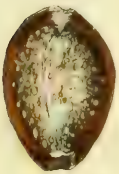

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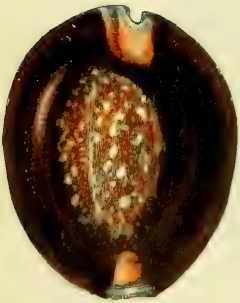

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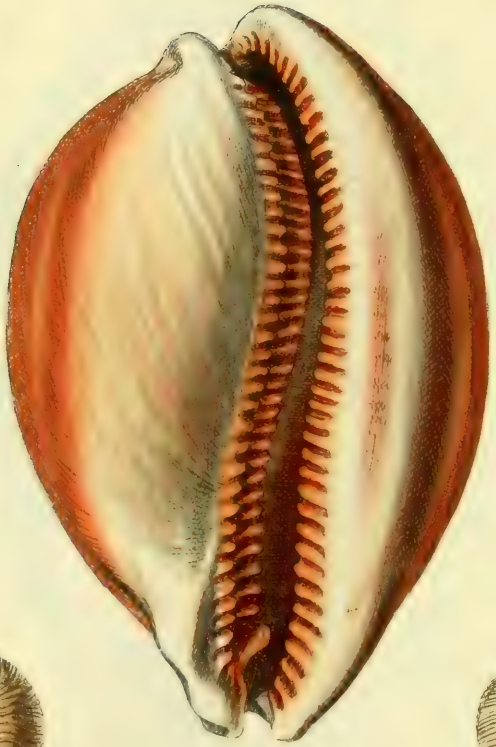

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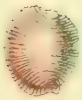

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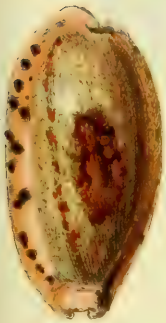

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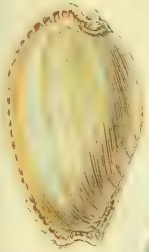

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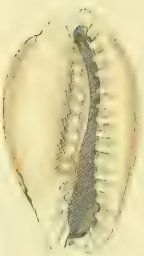

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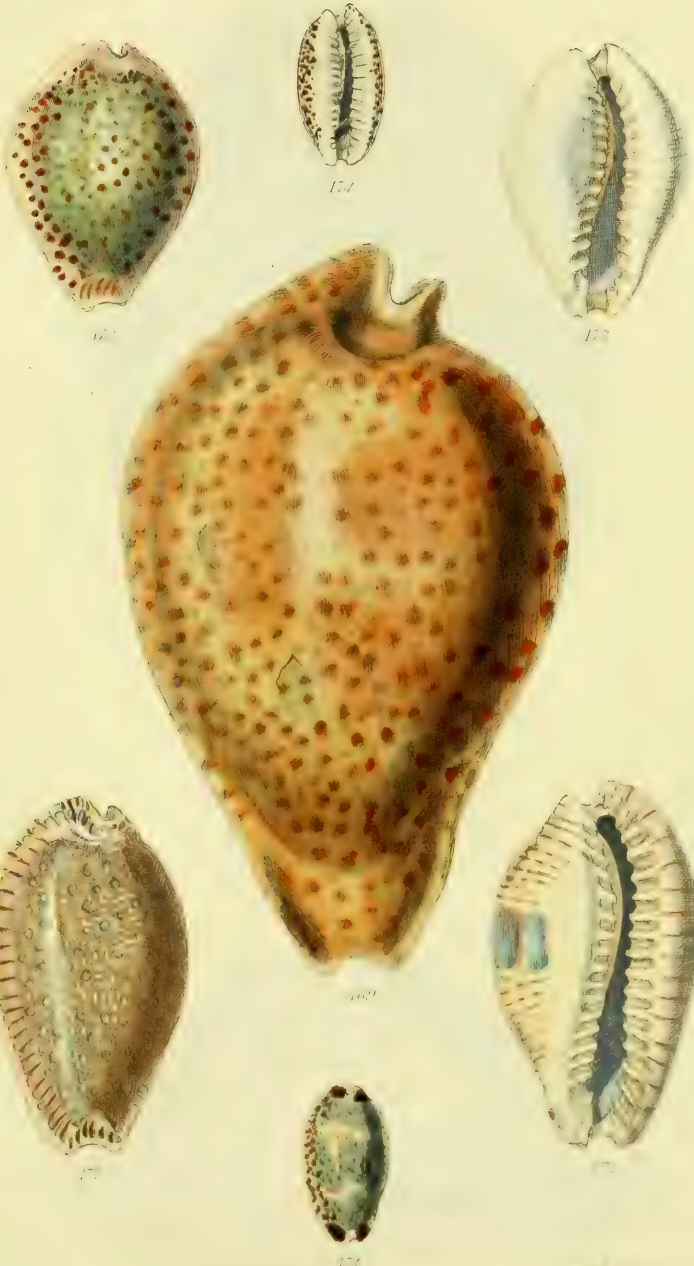

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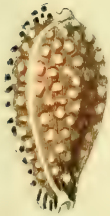

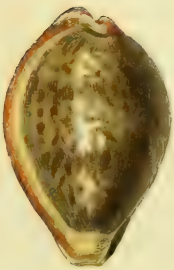

79 ——— cruentata, *Gmel.*, Encycl. Meth., t. 353, f. 2.

80 ——— errones, *Linn.*, Wood's Cat. t. 17, f. 39.

81 ——— felina, *Gmel.*, Wood's Cat. t. 17, f. 26.

82 ——— irrorata, *Solander*, Conch. Illus. f. 25. Elizabeth Island.

83 ——— Spadicea, *Swains.*, Zool. Illust. t. 182. Upper and lower figures.

84 ——— Onyx, *Linn.*, Wood's Cat. t. 17, f. 31.

Obs. There are several varieties of this species, one of which is C. *adusta* of Lam. : and another very beautiful variety of a fine flesh-color is represented at f. 17 of these Conch. Illust.

85 ——— Pyrum, *Gmel.*, Encycl. Meth. t. 373, f. 1. Mediterranean.

86 ——— picta, *Gray*, Zool. Journ. t. 7 & 12, f. 10. Guaymas.

87 ——— zonata, *Lam.*, Zool. Journ., t. 7 & 12, f. 8.

88 ——— Xanthodon, *Gray*, Conch. Illust. f. 18.

Shell ovate, bluish brown, with central and posterior darker transverse bands and dotted with olive brown; base rounded, fulvous, sides rather thickened, lighter, with a few large black spots; teeth reddish brown; inside dark purple: length 1·2, breadth 0·75. Cypræa Xanthodon, Gray's Descrip. Cat., p. 10.

89 ——— nigro-punctata, *Gray*, Conch. Illust. f. 22. Gallapagos Islands.

90 ——— pallida, *Gray*, Conch. Illust., f. 19.

91 ——— punctulata, *Gray*, Conch. Illust., f. 23. Panama.

92 ——— ziczac, *Linn.*, Encyl. Meth., t. 356, f. 8.

93 ——— undata, *Solander*, Wood's Cat., t. 17, f. 23.

94 ——— clandestina, *Linn.*, Wood's Cat., app. t. 3, f. 17.

95 Cypræa lentiginosa, *Gray*, Zool. Journ., t. 7 & 12, f. 1. Ceylon.

96 ——— contaminata, *Gray*, Conch. Illust., f. 21.

Shell pale buff colour, oblong pear-shaped; base and margin with dark brown dots; dorsal margin of the outer lip slightly reflected; spire depressed, extremities produced; teeth small, close set. Length 0·5, breadth 0·27. C. contaminata, Gray's Descriptive Cat. p. 11, No. 88.

97 ——— sanguinolenta, *Gmel.*, Swains. Zool. Illust. t. 182, middle figures.

98 ——— fimbriata, *Dillw.* Wood's Cat., t. 17, f. 57. Sibo, Mauritius, &c.

99 ——— angustata, *Gmel.*, Wood's Cat., t. 17, f. 32. South Africa.

100 ——— piperita, *Gray*, Conch. Illust., f. 24. New South Wales.

101 ——— Algoensis, *Gray*, Conch. Illust., f. 26. Southern Africa.

102 ——— edentula, *nobis*, Conch. Illust., f. 26.* Southern Africa

Shell pear-shaped, fulvous, dotted with brown; beneath and border lighter, with darker and larger dots; margin of the outer lip thickened; aperture rather wide, without teeth; anterior extremity of the columella curved downwards, without any folds; spire distinct, flat; posterior extremity rather produced: length 0.9, breadth 0.6.

Obs. This, according to Mr. Gray, is a variety of his Luponia Algoensis, "with the teeth more or less obliterated:" but there never have been the slightest vestige of teeth in any of the specimens we have seen,

nor are there any irregular ridges crossing the front edge of the columella, which form the distinguishing mark of his genus Luponia. It is an extremely rare and very distinct species from Southern Africa.

103 Cypræa similis, *Gray*, Conch. Illust., f. 27. Cape of Good Hope.

Shell pear-shaped, smooth, pale brown, with the border and base lighter and spotless: anterior end of the columella crossed by two or three irregular ridges; teeth of the outer lip large, distant; those of the inner lip closer, slightly extended: length 1·4, breadth 0·9.

C. similis, *Gray*, Zool. Misc. p. 36.

104 ——— fusco-dentata, *Gray*, Conch. Illust., f. 28. Cape of Good Hope

105 ——— capensis, *Gray*, Wood's Cat., app. t. 3, f. 18. Cape of Good Hope.

106 ——— pustulata, *Lam.*, Sowerby's Genera, f. 5. Panama and Isle of Plata, Mexico.

107 ——— Adamsonii, *Gray*, Conch. Illust., f. 7. Mauritius.

Shell pearshaped, with numerous transverse ribs, decussated by less distinct and more distant longitudinal ribs; whitish, mottled with pale brown; teeth numerous, close-set and sharp: length 0·4, breadth 0·25.

C. Adamsonii, *Gray*, Descrip. Cat. of Shells, p. 7, Cypræadæ No. 48.

108 ——— ovulata, *Lam.*, Encycl. Meth., t. 355, f. 2, Cape of Good Hope

109 ——— aperta, *Swainson*, Wood's Cat., app. t. 3, f. 10. Cape of Good Hope.

110 ——— carnea, *Gray*, Wood's Cat., app. t. 3, f. 15.

111 Cypræa Maugeriæ, *Gray*, Conch. Illust., f. 30. Gallapagos.

Shell oval, thin, pellucid, rose coloured, with darker ends and a central dorsal blotch; ribs thin, numerous, rather close, the interstices roughish; dorsal groove distinct, narrow; lips whitish, teeth sharp: length 0·5, breadth 0·35. Cypræa Maugeriæ, *Gray*, Descr. Cat. p. 13, No. 111.

112 ——— Australis, *Lam.*, Conch. Illust., f. 29. New South Wales.

113 ——— rufescens, *Gray*, Conch. Illust., f. 31.

Shell nearly globular, pale reddish, thin, pellucid, ribs thin, rather close; under side white, outer lip rather narrow; no dorsal line; length 0·4, breadth 0·3. Cypræa rufescens, *Gray*, Descr. Cat. p. 13, No. 112.

114 ——— Europæa, *Lam.*, Encycl. Meth., t. 356, f. 1. b.

115 ——— sanguinea, *Gray*, Conch. Illust., f. 32. Panama and Mexico.

Shell ovate, dark purplish brown, with a dark crimson blotch on the back, dorsal line short, its ends whitish; ribs rather distant, smooth, lighter coloured: length 0·45, breadth 0·30. Cypræa sanguinea, *Gray*, Descr. Cat. p. 14, No. 119.

116 ——— quadripunctata, *Gray*, Conch. Illust., f. 33.

117 ——— globosa, *Gray*, Conch. Illust., f. 34.

Shell globular, reddish, closely and acutely ribbed; dorsal line narrow, distinct, running from the posterior to the anterior extremity; margin thickened; under side rounded, white; teeth small, sharp: length 0·3, breadth 0·25. Cypræa globosa, *Gray*, Descr. Cat. p. 14, No. 121.

118 ——— exigua, *Gray*, Conch. Illust., f. 35.

Shell ovate, pellucid, white, varied with rose colour;

extremities subrostrated; dorsal ribs thick, distant; lateral and ventral ribs thin and close, and teeth small; no dorsal groove: length 0·2, breadth 0·15. New South Wales, G. Humphrey. Cypræa exigua, *Gray*, Descr. Cat. p. 15, No. 123.

119 Cypræa subrostrata, *Gray*, Conch. Illust. f. 36.

120 ——— fusca, *Gray*, Conch. Illust., f. 37. Gallapagos and Bay of Guyaquil. Mus. Cuming.

Shell ovato-globose, dark brown, with a pale dorsal streak, extremities slightly produced; ribs small, rather close, some of them not continued to the edge of the lips beneath: length 0·33, breadth 0·25. Cypræa fusca, *Gray*, Descr. Cat. p. 15, No. 125.

121 ——— Oryza, *Lam.*, Conch. Illust., f. 38.,

122 ——— nivea, *Gray*, Conch. Illust., f. 38*.

123 ——— Pulex, *Solander*, Conch. Illust., f. 32,

124 ——— Pediculus, *Linn*, Encycl. Meth., t. 356, f. 1, *a*.

125 ——— Pacifica, *Gray*, Conch. Illust., f. 39*. Gallapagos.

Shell ovato-oblong, brown, with minute dots and four squarish darker brown alternating spots on the sides of the narrow dorsal grove; ribs narrow, rather close set; sides rather thickened, rose coloured, base and teeth white: length 0·4, breadth 0·25.

Cypræa pacifica, *Gray*, Descrip. Cat. p. 15, No. 133.

126 ——— suffusa, *Gray*, Conch. Illust., f. 41.

Shell ovate, rose-coloured, dotted and varied with reddish brown, base paler; dorsal groove narrow, ribs close-set, granose on the back; anterior end on each side of the canal rose-red: length 0·45, breadth 0·30.

Cypræa suffusa, *Gray*, Descr. Cat. p. 16, No. 134.

127 ——— Californica, *Gray*, Conch. Illust., f. 42.

128 Cypræa Solandri, *Gray*, Conch. Illust., f. 43.

Shell reddish brown, with a light-coloured dorsal groove, and a dark streak along each side of it; ribs prominent, wide apart, tuberculated at their dorsal extremities, mouth rather narrow, teeth of the outer lip more numerous than in C. radians: margin generally broad: length 0·7, breadth 0·55. Pacific Ocean.

Obs. This species is very much like *radians*, indeed it is impossible to know which of the two, this or the one we commonly call by that name, is the *radians* of Lam. The principal difference is in the number of teeth on the inner edge of the outer lip.

129 ——— radians, *Lam.*, Wood's Cat. t. 17, f. 58.

130 ——— depauperata, *Nobis*, Conch. Illust., f. 49.

Shell nearly orbicular, rather depressed. pale fawn coloured, dorsal line narrow, distinct; transverse ribs few, distant, sometimes interrupted; margins thickened; under side somewhat rounded; ribs and teeth of the outer lip more numerous and closer than those of the inner: length 0·5, breadth 0·4.

The locality of this species, which does not appear to be nearly related to any other is unknown; very few specimens have occurred.

Genus, ERATO, *Gray*.

Obs. I readily adopt this Genus, which appears to have been first established by Risso, followed by Gray: merely observing that it is a link connecting *Cypræa* with *Marginella*.

1 Erato scabriuscula, *Gray :* Marginella Cypræola, *Sowerby*, Conch. Illust. f. 45.

Shell ovate, turbinate, purplish brown, covered, except the dorsal line, with minute granules ; spire short, conical ; aperture rather wide, paler coloured ; columellar lip plaited transversely its whole length ; outer lip thickened, largely toothed on its inner edge ; anterior canal wide : length 0·4, breadth 0·2. Brought by Mr. Cuming from St. Elena and Acapulco.

Obs. Young shell destitute of the minutely granular coat, and of course not showing the dorsal line.

2 —— sulcifera, *Gray*, Conch. Illustr. f. 46.

Shell ovate, turbinate, pallid, very minutely and indistinctly granular ; dorsal line wide, deeply impressed ; aperture linear, very narrow, outer lip thickened, nearly white, minutely toothed on its inner margin ; anterior part of the columellar lip minutely toothed ; a single red spot at the anterior extremity : length 0·2, breadth 0·1. From the Cape of Good Hope ; a single specimen in the late G. Humphrey's collection.

3 —— lævis, *Gray ; Cypræa Voluta Mont. Test. Brit.* p. 203, t. 6, f. 7. *Voluta lævis, Dovovan.* Coasts of Britain and Mediterranean, Conch. Illustr. f. 57.

4 —— Maugeriæ, *Gray*, Conch. Illustr. f. 47.

Shell somewhat conical, turbinate, livid ; spire very short, last volution ventricose, very obtusely angular behind ; outer lip thickened, nearly white, toothed along its inner margin ; a few very indistinct teeth near the front of the columella : length 0·2, breadth 0·15. West Indies, common.

5 —— Lachryma, *Gray*. *Lachryma trifasciata*, Humphrey, MSS., Conch. Illust. f. 48.

Shell oval, turbinate, whitish, with three red transverse

bands, smooth; aperture narrow; outer lip somewhat thickened, minutely toothed on its inner edge; columellar lip slightly concave, toothed anteriorly: length 0·2, breadth 0·13. From New South Wales; several specimens were in the cabinet of the late G. Humphrey.

6 Erato Guttula, *Sowerby*, Conch. Illustr. f. 50.

Shell ovate, rather ventricose, cream coloured; spire very short, indistinct, aperture narrow, rather effuse anteriorly; outer lip thickened, very minutely and indistinctly toothed along its inner margin; columellar lip with three folds anteriorly: length 0·25, breadth 0·15. From the Mauritius.

Obs. When worn the spire is distinct.

7 —— angistoma, *Sowerby*. Semi-Cowry, *G. Humphrey*.

Shell ovate, gibbose, pallid; spire short; aperture as long as the whole shell, very narrow; outer lip rather thickened, wide, very minutely toothed along its inner margin; columella with six or seven anterior folds and internal concavity: length 0·2, breadth 0·15. From the East Indies. Conch. Ill. f. 51.

Genus OVULUM.

1 Ovulum Ovum, *Sowerby, Spec. Conch. Ovulum*, f. 1 to 5.
2 ——— Margarita ,, ,, f. 19, 20.
3 ——— Adriaticum ,, ,, f. 23. 24.
4 ——— Pyriforme ,, ,, f. 21, 22, 25.
5 ——— Carneum ,, ,, f. 17, 18.
6 ——— Marginatum ,, ,, f. 15, 16.
7 ——— Lacteum ,, ,, f. 13, 14.
8 ——— Breve ,, ,, f. 26, 27.
9 ——— verrucosum ,, ,, f. 10, 11, 12.

10 Ovulum angulosum, *Sowerby, Sp. Con. Ovulum* f. 6 to 9.
11 ——— triticeum „ „ f. 35.
12 ——— Frumentum „ „ f. 37.
13 ——— striatulum „ „ f. 38.
14 ——— emarginatum „ „ f. 54, 55.
15 ——— gibbosum „ „ f. 28 to 31.
16 ——— obtusum „ „ f. 34.
17 ——— Seminulum „ „ f. 40.
18 ——— Formicarium „ „ f. 39.
19 ——— Secale „ „ f. 36.
20 ——— Spelta „ „ f. 43.
21 ——— intermedium „ „ f. 32, 33.
22 ——— birostre „ „ f. 41, 42, 44, 45.
23 ——— longirostratum „ „ f. 46 to 48.
24 ——— Volva „ „ f. 56, 57.
25 ——— aciculare „ „ f. 49 to 52.
26 ——— patulum „ „ f. 58.
27 ——— hordeaceum „ „ f. 53.
28 ——— rufum. Shell oblong, acuminated at the posterior extremity, red; outer lip thickened, paler; aperture narrow, broader anteriorly; columella with a depressed longitudinal line within, and a slightly spiral posterior plait; length 0·5, breadth 0·15. Varies in being wholly of a pale colour. A few specimens were dredged in sandy mud at a depth of seven fathoms in the Bay of Caraccas by Mr. Cuming. *Conch. Ill. Cyprædæ*, f. 58.
29 ——— Avena. Shell oblong, red, extremities rather acuminated, back somewhat gibbous, very finely transversely striated: outer lip thickened, paler; aperture narrow, broader at the anterior, and notched at the posterior extremity; columella with a single plait poste-

riorly; length 0·55. breadth 0·22. Found by Mr. Cuming at Conchagua in Mexico. Varies in the intensity of its colouring. *Conch. Ill. Cypræadæ*, f. 59.

30 Ovulum inflexum. Shell oblong, somewhat cylindrical, smooth, pale; posterior extremity somewhat beaked, beak inflected; aperture rather effuse anteriorly; outer lip thickened, columellar lip keeled within, with a single plait posteriorly, length 0·7. breadth 0·25. A single specimen was found by Mr. Cuming in the Gulph of Dulce. Two were in the late G. Humphrey's Collection. *Conch. Ill. Cypræadæ*, f. 60.

31 ——— æquale. Shell oblong, somewhat cylindrical, red; outer lip thickened; extremities rather obtuse; aperture rather broad, equal at each extremity; columella with a distinct internal keel, length 0·45. breadth 0·18. Found at Panama by Mr. Cuming. *Conch. Ill. Cypræadæ*, f. 61.

INDEX

TO

THE CYPRÆIDÆ,

Contained in parts 1 *to* 8, *and* 101 *to* 131, *inclusive.*

*** The numbers after the names indicate the situation of the species in the Catalogue.

FIG

1 Cypræa Princeps, 1
2 — Broaderipii, 22
2* — exusta, 35
3 — microdon, 32
4 — annulata, 36
5 — Cumingii, 77
6 — Margarita, 37
7 — Adamsonii, 107
8 — gangrenosa, 47
8* — gangrenosa, var.
9 — citrina. 48
10 — bicallosa, 50
11 — flaveola, 52
12 — Lamarckii and *var.*, 54
12* — Stolida, *var.*, 65
12** — Hirundo, *var.*, 64
13 — obvelata, 59
14 — tabescens, 73
15 — interrupta, 63
16 — Goodallii, 76
16* — cribraria, var., 75
17 — Onyx, var., 84
18 — Xanthodon, 88
19 — pallida, 90
20 — punctulata, 20
21 — contaminata, 96
22 — nigro-punctata, 89
22* — Walkeri, 70
23 — pyriformis, 69
24 — piperita, 100
25 — irrorara. 82
26 — Algoensis, 101
26* — edentula, 102
27 — similis, 103
28 — fusco-dentata, 104
29 — australis, 112
30 — Maugeriæ, 111
31 — rufescens, 113
32 — sanguinea, 115
32* — Pulex, 123
33 — 4-punctata, 116
34 — globosa, 117
35 — exigua, 118
36 — subrostrata, 119

FIG.

37 Cypræa fusca, 120
38 — Oryza, 121
38* — nivea, 122
39* — pacifica, 125
40 — pulchella, 28
41 — suffusa, 126
42 — Californica, 127
43 — Solandri, 128
44 — Scottii, 33
45 Erato scabriuscula
46 — sulcifera
47 — Maugeriæ
48 — Lachryma
49 Cypræa depauperata, 130
50 Erato Guttula
51 — angistoma
52 Cypræa Reevii, 15*
53 — Spurca, *var. alba.*, 51
54 — Turdus, *var. alba.*, 56
55 — Humphreysii, 71
56 — teres, 72
57 Erato lævis
58 Ovulum rufum
59 — Avena
60 — inflexum
61 — æquale
63 Cypræa cribraria, 75
64 — melanostoma, 16
65 — melanostama, *var.*
66 — Vitellus, 13
67 — ocellata, 55
68 — poraria, 44
69 — Childreni
70 — Mappa. *var.* S. Pacific [Ocean. 2
71 — pustulata, 106
72 — Pyrum, 85
73 — Achatina, 17
74 — pulchella, 68
75 — arenosa, 18
76 — pallida, 90
77 — arabicula, 11
78 — Globulus, 39
79 — zonota, 87
80 — Histro. (Arabica 3)

FIG

81 Cypræa spurca, 51
82 — lurida, 31
83 — staphylæa, 40
84 — Cicercula, 38
85 — arabica, 3
86 — Nucleus, 41
87 — clandestina, 94
88 — 4-maculata, 62
89 — var
90 — Tigris, 4
91 — stolida, 65
92 — var
93 — Asellus, 61
94 — tessellata, 55
95 — spadicea, 83
96 — Lamarckii, *var. alba.*, 54
97 — Beckii, *Gask.*
98 — Isabella, 29
99 — Mappa, *var.*, 2
100 — nivosa, 19
101 — cylindrica, 74
102 — albuginosa, 45
103 — Indica, (Scurra, 27)
104 — spurca, 51
105 — angustata, 99
106 — Scurra, 27
107 — Lynx, 12
108 — sanguinolenta, 97
109 — undata, 93
110 — sulcidentata. 10
111 — Capensis, 105
112 — cruentata, 79
113 — Talpa, 24
114 — Listeri, 46
115 — Annulus, 58
116 — Madagascariensis, 42
117 — punctulata, 91
118 — Lynx, *var.*, 12
119 — erosa, *var.*, 53
120 — vesicularis. *Gask*
121 — Helvola, 49
122 — citrina. 48
123 — Moneta, 60
124 — errones, *var.*, 80
125 — Argus, 26
126 — pulchra, 28
127 — Caput-Serpentis, var., 57
128 — errones, *var.*, 80
129 — errones, 80
130 — Moneta, *var.*, 60
131 — Caput-Serpentis, 57
132 — errones, var., 80
133 — adusta (Onyx 84)
134 — Pantherina, var., 5

FIG

135 Cypræa Felina, var., 81
136 — controversa, 30
137 — Felina, 81
138 — fimbriata, *var.*, 98,
139 — lentiginosa, 95
140 — fimbriata, 98
141 — Aurora, 8
142 — europæa, 114
142*— ruropæa, *var.*, 114
143 — Ziczac, 92
144 — aperta, 109
145 — ovulata, 108
146 — radians, 129
147 — carnea, 110
148 — Pediculus, 124
149 — Candidula. *Gask.* Zool. Proc. 1835
150 — rubinicolor. *Gask.* ditto
151 — formosa. *Gask.* ditto
152 — testudinaria, 23
153 — labiosa. *Gask.* Zool. Proc. 1836
154 — vesicularis. *Gask.* ditto
155 — producta. *Gask.* ditto
156 — Mus., 34
157 — Mus. *var?*
158 — Caurica, 78
159 — Caurica, *var.*
160 — Caurica, *var.*
161 — erythræensis. *Beck*
162 — picta, 86
163 — cinerea, 15
164 — Mauritiana, 6
165 — carneola, 14
166 — arabica. *Var. riticulata.* 3
167 — stercoraria, 7
168 — Pantherina, 5
169 — Pantherina. *Var umbilicata*, 5
170 — exanthema, 21
171 — erosa, 53
172 — erosa, *var.*
173 — Turdus, 56
174 — Hirundo, 64
175 — Cervus, 22
176 — guttata. 43
177 — Leucodon, 9. Side view Part 131
178 — Leucodon. Front view.
179 — achatidea. *Gray*
180 — errones, *var.*, 80 (C. subviridis. Reeve)
187 — Cumingii, *var.*, 77

N.B. Parts 1 to 8, and 101 to 131, inclusive, will be found to contain a complete illustrated monograph of the Genus Cypræa.

The List published with each separate Part may now be cancelled.

15*th*, *Nov*, 1837.

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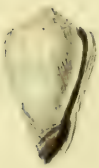

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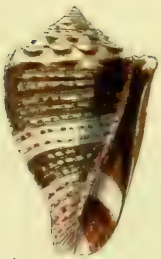

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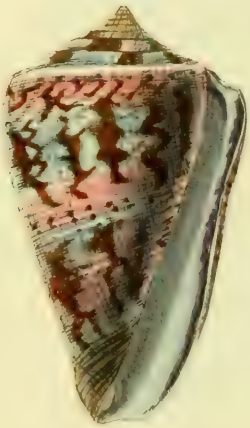

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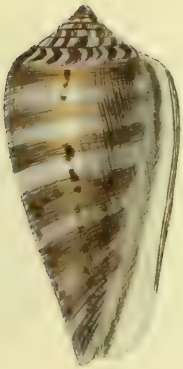

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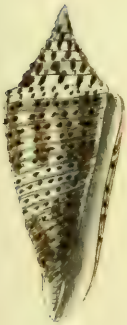

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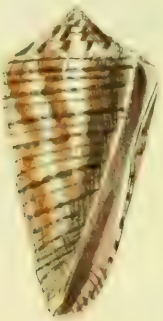

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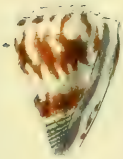

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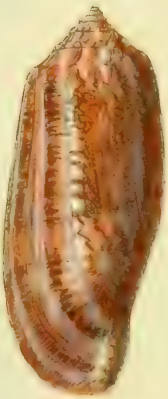

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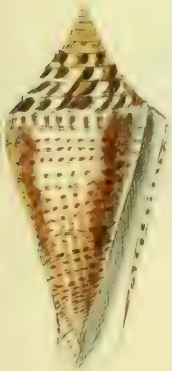

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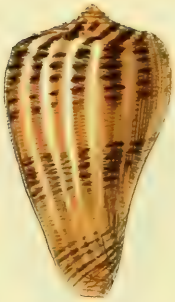

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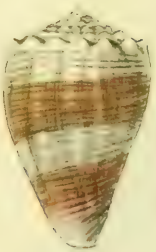

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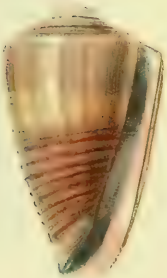

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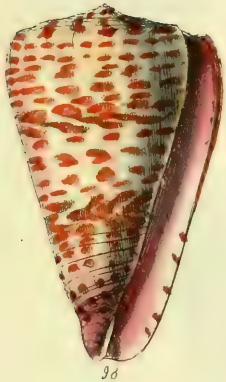

98

99

97

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Conus

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106

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138

137

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141

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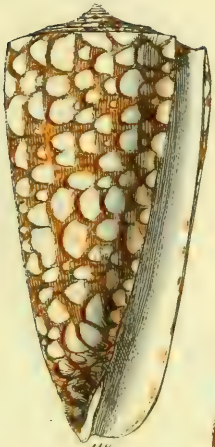

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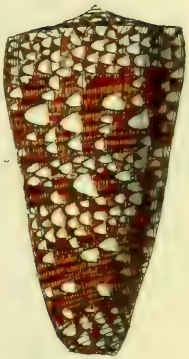
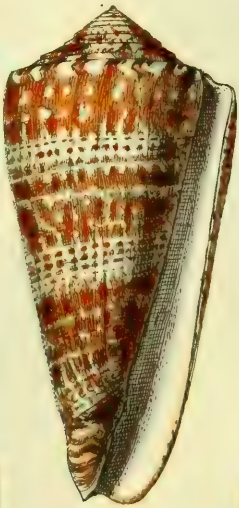


116



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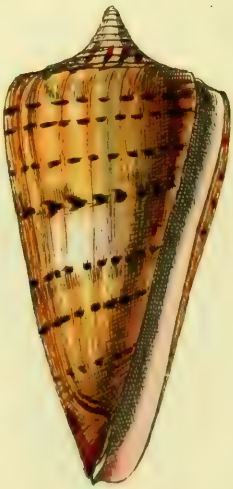

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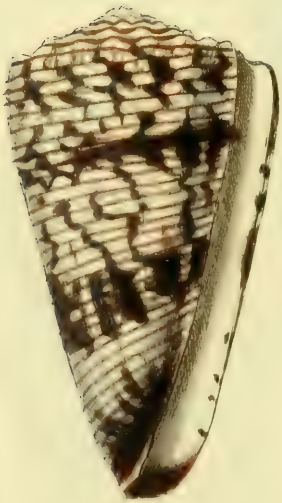

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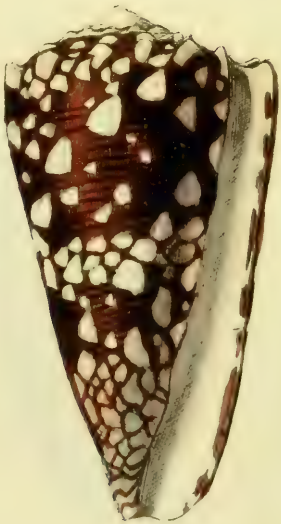

122

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